

Monday December 6

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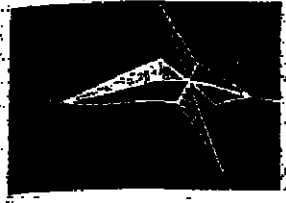
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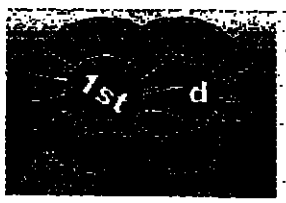
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# FINANCIAL TIMES

Europe's Business Newspaper

WEDNESDAY DECEMBER 7 1994

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## Fidelity's Magellan skips year-end cash distribution

Fidelity Investments' Magellan Fund, the US's biggest mutual fund with assets of \$35bn, said it would not make a year-end distribution to its 3m investors, the first time it has not made a year-end cash payment since 1988. The news raised concerns in the stock market about the cash reserves of Magellan, which has been operating with little cash liquidity for most of this year. Fidelity, the Boston-based mutual fund group, said the lack of a cash distribution reflected US tax-accounting rules, rather than an internal decision to conserve cash. Page 17; World stocks, Page 42

Brussels doubts on Hainan aid: The European Commission is to re-examine its approval of a \$61m (\$85m) UK government grant for a Belfast textiles plant to be built by Hainan of Taiwan. It suspects information it received from UK authorities was inaccurate. Page 16

Germany agrees coalfield clean-up: Germany's federal and state authorities are to pay DM12bn (\$7.5bn) to remove contaminated material from east Germany's brown coal, or lignite, fields and reclaim land for cultivation. Page 6

Portillo vetoes EU directive on part-timers: UK employment secretary Michael Portillo (left) annoyed fellow European Union ministers in Brussels by vetoing a diluted EU draft directive designed to protect part-time workers. EU Social Affairs Commissioner Padraig Flynn said: "I thought what we were proposing was a bare bones minimum measure but even then the UK maintained a negative approach". Page 16; Editorial comment, Page 15

Dresdner Bank announced a sharp fall in profits for the first 10 months as weakness in world bond markets pushed its financial trading activities into the red. Page 17; Lex, Page 16; Share split, Page 18

Berlin crisis deepens: The Spanish government may be forced to intervene directly in a dispute affecting its financially crippled state airline after Iberia chairman, Javier Salas, failed to persuade the pilots' union to support a rescue plan. Page 2

According to merit: Hard-pressed managers at Matsushita, Japanese consumer electronics group, are having to face a change in a time-honoured tradition - annual bonuses are no longer to be based on years of service, but on performance. Page 16

US push on Syrian peace: US secretary of state Warren Christopher arrived in Israel from Syria as part of an intensive push by Washington to break the deadlock in talks between Jerusalem and Damascus amid pessimism on both sides. Page 4

Exxon, US energy group, said it had finalised all details of its \$400m agreement with Indonesia to develop the giant Natuna natural gas field, and dismissed industry rumours that crucial details of the deal needed to be resolved. Page 17

Boost for EU hopefuls: East European countries could expect trade concessions and a minimum of Ecu5.5bn (\$7bn) over the next five years to pay for preparations to join the European Union, said chief EU trade negotiator Sir Leon Brittan. Page 2; Editorial comment, Page 15

Scania, Swedish commercial vehicle maker, is to start assembly of buses at its plant in Angers in western France as part of a strategy to expand its share of the west European heavy bus and coach market from 6 to 10 per cent by the end of the decade. Page 6

India's exports defy plague: India's exports soared 26.9 per cent in October to \$2.2bn, confounding fears that they would be affected by the plague which hit parts of the country and caused panic around the world. Page 4

Israel looks east for exports: Israeli exports to Asia have risen by a third to \$2.3bn in the first nine months of this year, highlighting the trade benefits resulting from the Middle East peace process, Israeli Treasury officials said. Page 6

Prison for Bakhtiar killings: Iranian Ali Vakil Rad was sentenced in Paris to life in prison for the 1991 assassination of Shapur Bakhtiar, the late Shah of Iran's last prime minister. Iranian Massoud Hamedi was sentenced to 10 years in prison.

Death sentence for anti-abortionist: US anti-abortionist Paul Hill, a former minister, was sentenced to death in Florida for murdering an abortion clinic doctor and his escort.

STOCK MARKET INDICES

FT-SE 100: 3,015.1 (-17.4)

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## Ireland set for election as coalition talks fail

By John Murray Brown, Ireland Correspondent

Ireland last night seemed set for an early general election after the breakdown of talks on the formation of a new coalition. The impasse came amid fresh allegations about the role of outgoing Fianna Fail prime minister Mr Albert Reynolds in a judicial appointment scandal.

The Irish Labour party leader Mr Dick Spring announced early yesterday morning that he was abandoning talks with Fianna Fail, parliament's largest party, ahead of yesterday's scheduled session of the Dail.

Last night, Labour was trying to forge an alternative coalition with the main opposition party, Fine Gael, and one of the smaller parties. But Mr Spring held little hope that such a solution was feasible. If no new coalition emerges in the next few days, Mr Reynolds will be forced to dissolve parliament and call an election.

The collapse of talks comes at a critical moment in the Northern Ireland peace process just three days before the UK government starts exploratory talks with Sinn Féin, the political wing of the Irish Republican Army.

Speaking in Belfast, Sir Patrick Mayhew, the UK's Northern Ireland secretary, seemed keen to play down the crisis. However, he conceded that the delays would create a "hiatus" in the negotiations to devise a framework document which the two governments hope will form the basis for all-party talks on

runts for a paedophile Roman Catholic priest who was later convicted of child abuse offences in Northern Ireland.

Mr Reynolds reiterated in parliament yesterday that he had not tried to mislead parliament over the affair. The Irish Times newspaper reported on Monday that the prime minister had deliberately deceived parliament by not revealing his attempt to persuade Mr Whelehan to resign as attorney-general a day before publicly defending him.

On Monday, Mr Spring demanded that Mr Eoghan Fitzsimons, the new attorney-general, provide a written explanation of the sequence of events. Mr Reynolds hurried back from the Conference

on Security and Co-operation in Europe summit in Budapest to answer parliamentary questions.

"We are not happy with the answers we got... We've broken off negotiations with Fianna Fail at this stage," Mr Spring said as he left the Dail yesterday.

Mr Ahern said Fianna Fail was resigned to a period in opposition or a general election.

"We're living through one of the saddest episodes in our parliamentary history," said Ms Mary Harney, leader of the Progressive Democrats, a former coalition partner.

"There's only so much you can take," said Labour chairman Mr Jim Kemmy.

Irish await new government... Page 2

"Peace dividend" of \$295m? ... Page 9

a constitutional settlement for Ulster.

The judicial row which led to the collapse of the Irish government centres on Mr Harry Whelehan, the former attorney-general. Mr Whelehan allegedly failed to process UK extradition war-

## International consensus at risk as Kohl ceasefire appeal is rejected

## Summit ends in Bosnia discord

By Bruce Clark in Budapest

A European security summit of more than 60 nations disagreed over the conflict in Bosnia yesterday in an ominous sign that international consensus on the war is crumbling.

Bosnia's Muslim-led government objected to a passionate ceasefire appeal by German chancellor Helmut Kohl on the ground that the wording did not specify that the Serbs were the aggressors. Earlier, Russia had blocked a series of other resolutions it viewed as unfair to the Serbs.

Delegates at the summit in Budapest said it was the most spectacular diplomatic failure at an international gathering since the end of the cold war.

The Conference on Security and Co-operation in Europe, which is supposed to be building a new security grouping of all countries from Vancouver to Vladivostok, was unable to reach agreement over the fighting in Bosnia, the northern enclave of the republic.

Mr Kohl, who was encouraged to make his ceasefire call by Russian president Boris Yeltsin, pleaded unsuccessfully with Bosnian officials to lift their objections, in a dramatic closing session of the summit.

"I do not want to go home and to answer the questions over what we did about Bosnia," the German leader said. "I shall say that we talked and got bogged down in formalities".

Mr Kohl said he understood the Bosnian government's view that the wording of the ceasefire was not ideal, but he insisted: "Only 300 kilometres from here, people are dying of hunger... and it will be catastrophic if we don't seal an armistice and provide some help."

In the end, the summit's Hungarian presidency issued an informal appeal for a ceasefire



Keeping abreast of events: Italian prime minister Silvio Berlusconi makes a telephone call as he leaves the Budapest summit. He yesterday sought to play down the importance of the resignation of Antonio Di Pietro, Italy's best known anti-corruption magistrate

which was said to reflect the views of most, but not all, participants at the summit.

Bosnian officials said they could not accept the ceasefire call because it made no distinction between the internationally recognised government of the republic and the Serb forces that occupy about 70 per cent of its territory.

The Bosnian delegation complained bitterly that Moscow had vetoed a separate series of statements running to thousands of words that would have called for an end to Serb encroachments on Bosnia and condemned the behaviour of Serbia, which has been suspended from the CSCE.

Mr Mahir Hadziametovic, Bosnian ambassador to the CSCE, said: "The Russians blocked everything... That means there will be nothing in the final document on the most burning crisis in Europe."

Six pages of carefully drafted pronouncements on Bosnia and the situation in former Yugoslavia were discarded after Russian officials called them unbalanced and unfair to the Serbs. The resolutions would have condemned the Serbs of Bosnia and Croatia for encroaching on a nominally UN-protected area in the Bihac enclave, and called on the "aggressors" to accept a ceasefire.

They would also have condemned Serbia for violating the rights of its Muslim minorities, both Slavs and Albanians.

Russian diplomats said they could not agree with singling out the Bihac area for mention, and they would have preferred a statement about Bosnia as a whole. They also want Serbian

president Slobodan Milosevic to be given more credit for accepting an international peace plan for Bosnia.

Peacekeeping deal for Karabakh, Page 2

Editorial comment, Page 15

Nato in search of an enemy, Page 15

## Pressure on Clinton mounts as Bentsen decides to quit

By George Graham in Washington

President Bill Clinton is to nominate Mr Robert Rubin as Treasury secretary, taking over from Mr Lloyd Bentsen, the administration's elder statesman, who announced his resignation yesterday.

Mr Rubin, a former co-chairman of Goldman Sachs, the Wall Street investment bank, heads the National Economic Council, a White House policy co-ordination unit.

Mr Bentsen, 73, who on Monday had called speculation on his departure "premature", said he had told Mr Clinton in September that he wanted to step down.

His leaving is not expected to signal any sharp change in economic policy. Mr Rubin and Mr Bentsen stand on the conservative wing of the Democratic party and share a commitment to free trade, fiscal responsibility and pro-business policies.

However, after last month's devastating defeat for Democrats

in the congressional elections, the loss of Mr Bentsen is expected to be sorely felt in the shell-shocked administration.

One of the criticisms most frequently levelled at Mr Clinton's White House is its failure to persuade Congress to its way of thinking. That task will be harder with Republican majorities in the Senate and the House of Representatives.

"Honest broker" on course for Treasury... Page 3

With six years service in the House and 22 in the Senate - the last six as chairman of the powerful finance committee - Mr Bentsen had an instinct for Congress's mood and an ability to work with the Republicans that was rare in the Clinton administration.

Mr Rubin's confirmation by the Senate is not expected to pose difficulties. He was endorsed yesterday by Senator Robert Dole, the Republican leader in the Sen-

ate, and by Senator Pete Domenici, who will chair the budget committee in the new Congress.

But Mr Bentsen's retirement still leaves Mr Clinton with a large array of vacancies to fill. A successor must be found to Mr Rubin at the NEC - the expected candidate is Mr Erskine Bowles, a North Carolina investment banker who recently moved from the Small Business Administration to be White House deputy chief of staff.

Mr Clinton also still needs to pick a successor to Mr Mike Espy, who has announced his resignation as agriculture secretary over charges of ethics violations.

At the same time, the Democrats' political apparatus is in disarray after last month's thrashing at the polls. Mr Clinton needs to fill the jobs of White House political director, head of the Democratic National Committee and head of his own re-election committee. Aides to Mr Ron Brown, the commerce secretary, denied that he would be stepping down to take that job.

# OMEGA

THE LINK BETWEEN THE PAST AND THE FUTURE

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## NEWS: EUROPE

## Iberia pilots force crisis showdown

By Tom Burns in Madrid

The crisis at Iberia, the Spanish state airline, deepened yesterday after Mr Javier Salas, the company's chairman, failed to convince the powerful pilots' union to support a rescue plan for the financially crippled flag carrier.

The breakdown of what was viewed as a final negotiating round with the pilots is now

likely to force the government to intervene directly in the dispute. Madrid will want to avert a resumption of strike action over the peak Christmas period following last week's stoppages.

Mr Salas said the failure to obtain an agreement with the pilots, after the viability plan had obtained preliminary acceptance by ground staff unions, meant he would now press ahead with a controver-

sial restructuring programme that involves cutting some 5,000 jobs, 20 per cent of Iberia's labour force, and the sale of subsidiaries in order to save off the company's threatened bankruptcy.

Last week the embattled Mr Salas shelved the drastic streamlining project after wildcat action by ground staff closed down domestic airports. He subsequently gained initial backing from the compa-

ny's main unions to a scaled-down cost-cutting plan that placed the burden of wage reductions on Iberia's 1,100 highly-paid pilots. The pilots yesterday rejected allegations by Mr Salas that they had refused to accept nominal pay cuts of 15 per cent. They said they were willing to reduce salaries by as much as 40 per cent in real terms after wage freezes had been factored in - but only if Mr Salas and other senior

Iberia executives were replaced.

There could now be a showdown between the government and the Instituto Nacional de Industria, INI, the loss-making public sector conglomerate run by Mr Salas and of which Iberia is part.

The pilots, and also the company's middle management, blame INI executives, who occupy top positions in Iberia, for a series of bad decisions,

ranging from costly investments in Latin America to a badly-judged fleet renewal programme, that lie at the root of the airline's problems.

Iberia has debts of Pta424bn (€1.95bn), half of them short-term.

The airline has written off accumulated losses of Pta144bn, reducing its capital and reserves to a mere Pta88bn, and is on course to lose Pta44bn this year.

## Paris talks tough on breaches of EU law

By David Buchan in Paris

France wants the European Union to harmonise penalties for breaking EU laws, allowing them to be enforced evenly and properly, Mr Alain Lamassoure, French EU affairs minister, said yesterday.

France, which takes over presidency of the Union next month, is to ask the European Commission to make an inventory of all infractions of existing EU laws and to attach to all future draft EU legislation clauses specifying the sanctions for breaking it.

Mr Lamassoure made clear that the initiative would tackle more than EU budget fraud and, for the first time, would harmonise sanctions which are currently left for member states to fix when they transpose EU regulations and directives into their national legislation.

France's move may pose a dilemma for British Conservative Eurosceptics who recently argued that the UK should pay no extra into a Brussels budget that is so defrauded, but who might bridle at the EU reducing national prerogatives on legislative sanctions.

"Member states may say setting sanctions is our national prerogative," said Mr Lamassoure. "This is fine, when all member states apply some sanction, but they don't."

As examples of the unevenness of sanctions, the minister cited the EU's 1991 directive against money-laundering, for whose infringement some states had attached virtually no penalty but Luxembourg had prescribed a 20-year jail sentence, and EU rules on giving hormones to livestock, which carried penalties of fines in some countries but prison in others.

A former chairman of the European parliament's budget control committee, Mr Lamassoure said it was his experience of investigations into the same fraud covering several EU states that "some countries are very strict, while others show great leniency, even complicity" towards lawbreakers.

Companies operating in stricter states were placed at a competitive disadvantage, he said.

Mr Lamassoure said the French foreign and justice ministries had drafted a memorandum which they would shortly send to Brussels. "Our preoccupation is about the fight against fraud and also about the respect for EU laws in all fields - agricultural and regional grants, public market openness, environmental norms and so on."

He stressed that the French initiative covered only infractions of EU law, not national criminal law. It therefore meant no softening of French reservations about Europol, the German-backed proposal for a Europe-wide police network that is to be discussed at the Essen summit.

"For the present, there is no European penal law, and therefore no possibility of a European equivalent of America's Federal Bureau of Investigation," the minister said.

## Russia rejects Chechnya invasion

By John Thornhill in Moscow

Russia and the break-away republic of Chechnya have agreed to settle their differences without force following last-ditch peace talks held yesterday in the neighbouring region of Ingushetia.

The deal appears to be expedient for both sides, to save face without resorting to what promised to be a fierce and bloody conflict.

Both President Dzhokhar Dudayev of Chechnya, and General Pavel Grachev, Russia's defence minister, emerged from more than an hour of talks to declare: "There will

not be a military solution to the question."

The terms of the agreement were not immediately known, although the priorities of both sides had been well-aided beforehand. Before the meeting, Gen Grachev said the Russian government had not exhausted all avenues for peace but made it clear he would treat Mr Dudayev as a representative of one of the Russian Federation's constituent republics rather than as the head of a foreign state.

Russian military sources suggested that Gen Grachev would insist on three conditions being met: an early meet-

ing between Mr Dudayev and the opposition forces; the disarmament of illegal military units in Chechnya; and the immediate release of all Russian servicemen captured in the recent fighting. Chechen officials had originally claimed to have captured 70 Russian servicemen but it now appears that 21 Russians have been held captive.

According to the Interfax news agency, Mr Dudayev's intentions in the talks were to ensure that Russia would stop supporting Chechen opposition attacks and would withdraw its regular armed forces, which have been ominously massing on the republic's border. Mr

Grachev had earlier met Chechen opposition leaders and promised them he would insist on free parliamentary elections being held.

The Russian government appeared torn between wanting to re-establish its authority in a rebellious part of the federation and fearing the consequences of being drawn into a long guerrilla war. The Chechen government had made dire threats against Russia if it sent in its troops, promising "a second Afghanistan". The Russian parliament - and public opinion - also appeared sharply divided.

While some leading politi-

cians in Moscow urged stern measures to end the rebellion, others such as Mr Yegor Gaidar, head of the Democratic Choice party, warned that a military solution would lead "to nothing but bloodshed and the establishment of a military regime in the country".

Chechnya, which declared its independence from Moscow three years ago, has been a festering sore in Russia's body politic ever since.

The Russian government has provided financial support and moral encouragement to the Chechen opposition, which created a provisional council to oust Mr Dudayev.

## CSCE agrees to Karabakh peace operation

By Bruce Clark and Virginia Marsh in Budapest

A conflict that has cast a long shadow over oil drilling contracts worth up to \$8bn moved closer to resolution yesterday when the summit of the Conference on Security and Co-operation in Europe agreed in principle to send a peace-keeping force to the war zone of Nagorno-Karabakh, an Armenian-populated enclave of Azerbaijan.

Tens of thousands of people have been killed, and 20 per cent of Azerbaijan's territory has been wrested from government control, by a war which broke out in 1988 and has driven over a million people from their homes.

Azerbaijan recently signed what it described as the "contract of the century" with a consortium led by BP for the extraction of oil from the Caspian Sea. But Russia, which has broadly supported the Armenian side in the past two years of war, has challenged the contract's validity and is obstructing moves to build the pipeline which would be necessary to transport the oil. Azerbaijan claims Russia is using

the war to destabilise the republic and prevent it from taking the benefit of its oil wealth.

Moscow's assent to the idea of a multinational - as opposed to Russian-dominated - peace-keeping force was cautiously welcomed yesterday as a gesture which could bring stability to the region. However, diplomats warned that many points of detail were still outstanding. In a sign of Russia's continuing wish for freedom of action in the southern republics of the former Soviet Union, the summit failed to agree on a broader document setting out general principles for peace-keeping over which diplomats have been wrangling for many months.

If it goes ahead, the operation will be the first such effort to be organised by the CSCE, a 53-nation body which has sought to carve a role for itself as a smaller version of the United Nations.

Both the Nagorno-Karabakh force and the broader agreement of principles have been held up by Russia's insistence on having as free a hand as possible for its military activities in the former Soviet



Hungary's prime minister, Mr Gyula Horn (right), in discussion yesterday at the CSCE summit with Bosnia's ambassador, Mr Mahir Hadziametovic.

Union. Diplomats said the Baltic states, Croatia and Hungary were among the countries which had offered to provide troops for a force in Karabakh, which they expect to number about 3,000.

Russia, which initially wanted to provide the main body of the force, has apparently now accepted that its soldiers will not amount to more than 30 per cent. Azerbaijan, supported by its close ally Turkey, has opposed the idea of a force dominated by Moscow, which over the past two years has broadly supported the Armenian cause. Turkey also hopes to provide 30 per cent of any force.

However, Mr Nyrup Rasmussen, Danish prime minister, said it remained "very uncertain" whether the Karabakh force would ever be constituted because so many detailed points were still outstanding. Diplomats said Russia's refusal to endorse general principles for peacekeeping - while agreeing to one specific exercise in Karabakh - probably reflected its view that such operations are best left with on a case-by-case basis.

Hungary's President Arpad Goncz, chairing the summit, said of the Karabakh force: "The CSCE has taken one of its most important decisions in its history." Any satisfaction

over the move was balanced, however, by disappointment that the meeting had failed after hundreds of hours of backstage work to reach any agreement on the sensitive issue of "third-party peacekeeping", a term that in practice refers mainly to Russian arbitration in the disputes of its smaller neighbours.

Several CSCE members - including the US, and the Baltic states where the last Russian soldiers departed only a few months ago - are suspicious of Moscow's claim to be an impartial holder of the ring in the multiple wars that have broken out on the periphery of the former Soviet Union.

## EU hopefuls given boost by Brittan

By Lionel Barber in Brussels

Sir Leon Brittan, chief EU trade negotiator, yesterday predicted that this week's EU summit in Essen would be a "milestone" in efforts to bring central and eastern Europe into the European Union.

In a pre-emptive strike against critics, Sir Leon said Poland, Hungary, the Czech Republic, Slovakia, Bulgaria and Romania could expect new trade concessions and a guaranteed minimum Ecu5.5bn (€4.3bn) over the next five years to pay for preparation for eastern enlargement.

In addition, the European Commission would next year

produce a blueprint for EU accession for the six countries. A white paper would set out steps to adapt laws, state aid, norms and standards to adjust to the single European market.

"We want to embed the principle of membership and create irreversible momentum behind it. That is what Essen is about," said Sir Leon.

In the run-up to the two-day summit which opens on Friday, critics seized on Chancellor Helmut Kohl's hesitation about inviting the central and eastern European leaders as symptomatic of a half-hearted approach to enlargement.

Doubts grew after it emerged the German presi-

dency of the EU did not include in its Essen discussion paper a commitment to reform structural funds and the common agricultural policy.

The London-based Centre for Economic Policy Research claimed yesterday that the proposals for Essen were deeply flawed. "They are piecemeal and much more limited in areas such as market access, anti-dumping, rules of origin, agricultural policies and medium-term finance," the study said.

Sir Leon conceded that the EU had avoided a commitment to reform of the CAP and structural funds which, on cost grounds, was vital if

enlargement were to take place. But he derided the CEPRE's proposal for a new secretariat comprising EU and eastern European officials to monitor implementation of the accession strategy. People would not be dancing in the streets of Prague in anticipation of a new layer of bureaucracy in Brussels, he said.

Sir Leon said it would be "artificial" to set a date for membership of the central European states, or for opening accession negotiations. He advocated waiting for the end of the 1996 intergovernmental conference whose primary task was to adapt the EU's decision-making machinery to

cope with an expanded Union of up to 25 members. After institutional reform, some eastern European countries might wish to move faster than others toward membership.

Sir Leon will hand over responsibility for relations with central and eastern Europe to Mr Hans Van den Broek, the Dutch commissioner for external political affairs in the new European Commission which takes office in January. However, he will retain responsibility for external economic relations and yesterday's performance underlines his commitment to eastern enlargement.

## Irish await advent of a new government

Coalition deadlock points to a pre-Christmas election, writes John Murray Brown

Mr Albert Reynolds, Ireland's acting prime minister, was clearly out to enjoy himself on what was expected to be his last public appearance on the international stage. He was hoping for a dignified send off at the European security conference in Budapest. His expectations were to be cruelly dashed.

New revelations about his role in the unfolding judicial scandal that destroyed his government last month forced him to cut short his trip and rush back for yesterday's crucial session of the Dail, the Irish parliament.

With Mr Dick Spring, Labour leader, yesterday calling off his negotiations with Fianna Fail, a general election now seems the only way out of the impasse.

Mr Bertie Ahern, who succeeded as leader of Fianna Fail after Mr Reynolds was forced to resign as prime minister, publicly accepted that a fresh alliance with Labour was no longer an option.

The latest breakdown follows allegations that Mr Reynolds misled parliament over the appointment of Mr Harry Whelehan from attorney-general to the

post of president of Irish High Court. The public mood is one of almost total shock.

Ireland has already spent a month agonising over the role of the Catholic Church, its most hallowed institution, after the first allegations about bungled extradition of a paedophile priest, who was later convicted in Northern Ireland on child sex abuse charges.

Through newspaper articles, and television appearances, the bishops have put themselves in the dock, in an unprecedented display of public remorse in an attempt to restore public confidence in the Church. As the Dail prepared for yesterday's critical session, the mood was summed up by one Labour MP: "It's lies, lies and damned lies."

Only two days ago the three-week-old crisis seemed close to a resolution. A new coalition between Fianna Fail and Labour seemed a foregone conclusion. The programme, inherited from the outgoing government, looked to be agreed. Both parties appeared committed to a high-growth strategy and to reducing the level of indebtedness, the one area

where Ireland is badly out of line with the targets set by the Maastricht treaty.

Fianna Fail and Labour seemed prepared to co-operate to co-ordinate policy on Northern Ireland. Dubious and London still have to finalise the long-awaited framework document which will form the basis for all-party talks on a new constitution for the province.

On Europe, the challenge was no less awesome. With the proposed enlargement of the EU to take in east and central Europeans, Ireland is concerned that this should not dilute its influence in Brussels.

Dublin is particularly worried about the future of the Common Agricultural Policy, which economists believe will have to be radically reformed with the accession of the big farm economies to the east.

There is little public enthusiasm for a general election. The campaign could take the country right into Christmas week.

The impact on the peace process could be important just a few days from the historic first public meeting

between British officials and Sinn Fein, the IRA's political wing.

The UK's Northern Ireland secretary, Sir Patrick Mayhew, yesterday sought to play down the crisis, but conceded there would inevitably be "a hiatus" in negotiations while there was no government in place in Dublin.

Yesterday Mr Spring announced he was restarting talks with Fine Gael, the main opposition party.

With Labour holding 32 seats and Fine Gael 47, there is an arithmetical possibility of a coalition with one of the smaller parties.

Mr John Bruton, the Fine Gael leader, said yesterday that "first of all we must get full facts out on the floor of the Dail".

With stronger leadership from Fine Gael, it is clear that the party could win broad support within parliament to lead a coalition with Labour, in order to avoid an early general election.

However, relations between Mr Spring and Fine Gael are not good, and a new accommodation may prove difficult. A Christmas election is a distinct possibility.

## EUROPEAN NEWS DIGEST

## Nadir faces Cyprus arrest

President Rauf Denktaş of the breakaway Turkish Cypriot republic in northern Cyprus called yesterday for the arrest of the fugitive tycoon, Mr Asil Nadir, on charges of tax evasion. A statement published in Turkish Cypriot newspapers criticised the government for failing to arrest Mr Nadir and demanded it do so without delay.

Mr Nadir, a Turkish Cypriot and former head of the collapsed Polly Peck international empire, faces charges in Britain of defrauding shareholders of £30m. He jumped a bail of £3.5m in May 1993 and fled to northern Cyprus. The break-away republic, proclaimed in 1983 and recognised only by Turkey, has no extradition treaty with Britain. President Denktaş had helped Mr Nadir lay the foundations of the Polly Peck empire by giving him hotels, factories and other property seized from Greek Cypriots after the invasion. The president rejected British requests for Mr Nadir's extradition last year and treated him as an honoured guest. But relations have deteriorated in recent months as Mr Nadir found himself increasingly unable to pay taxes in northern Cyprus as well as the wages of 1,500 Turkish Cypriots employed by his enterprises. *Nicosia, Cyprus, AP*

## IMF criticises Russian budget

Mr Stanley Fischer, first deputy managing director of the International Monetary Fund, yesterday criticised the assumptions of next year's Russian budget and urged the government to adopt a tougher line if it wanted international financial assistance. Mr Fischer said IMF calculations suggested the deficit would be closer to 10 per cent than the 8 per cent included in the draft. The revenue forecasts also looked optimistic, he said, given that 1994's revenues were as low as half those forecast. He also questioned whether the bond financing needs. An IMF mission is currently in talks with the Russian government about providing its biggest ever stand-by facility of up to \$8bn, with a further \$6bn available as part of a currency stabilisation fund. Mr Fischer hinted at the IMF's negotiating stance by suggesting that a budget deficit of between 6.7 per cent appeared financeable at a low rate of inflation. He also said tax revenues as a proportion of gross national product should be 3-4 percentage points higher than the 11 per cent forecast. The IMF also expected the Russian government to stick to its promise of lifting its oil export quotas. *John Thornhill, Moscow*

## Albania to free ethnic Greeks

President Sali Berisha of Albania has said that five ethnic Greeks convicted last August of espionage and illegal possession of arms will be released from jail "very soon". Mr Berisha told the Greek newspaper, *Ta Nea*, that Greek-Albanian relations were on the road to recovery following Greece's decision last week to drop its veto on an Ecu35m (€27.5m) European Union loan package for Albania. The trial of the five, all members of Omonia, an ethnic-Greek political movement, triggered the expulsion of more than 40,000 Albanians working illegally in Greece and froze bilateral economic relations. Greek businessmen now hope to revive plans for investment in southern Albania, where the ethnic-Greek minority lives. *Karin Hope, Athens*

## Bosnian Serbs send peace signal

Intense diplomatic efforts were underway last night to take advantage of signals from Bosnian Serb leaders that they may agree to re-start the paralysed peace process. However, there seemed to be little sign that they would agree to the terms of the proposed peace plan put forward by the five-nation contact group, or that they would begin to withdraw from the 70 per cent of Bosnia they currently control until the final details of a new peace plan are agreed. The diplomatic shuttle comes on the heels of the first public meeting in more than four months between President Slobodan Milosevic of Serbia and Bosnian Serb officials. Afterwards, in an unannounced mission last night, international mediators Lord Owen and Mr Thorvald Stoltenberg met Mr Milosevic to see whether his one-time Bosnian Serb protégé had revised their earlier rejection of the peace plan. *Laura Silber, Belgrade*

## FDP makes overtures to SPD

The German Free Democratic party (FDP) yesterday made overtures to the opposition Social Democratic party (SPD), the first step in a mating dance which may pave the way for a coalition between the two parties. Mr Hermann Otto Solms, the leader of the FDP's parliamentary party, said: "If Schöping can actually bring his party to change course in economic and social policy then he will become an interesting and serious partner for talks with the FDP." There has been speculation that the FDP, which lost almost half of its seats in the Bundestag at the recent elections, will eventually pull out of the coalition with Chancellor Helmut Kohl's Christian Democrats. However, the leaders that Mr Solms is putting out contrast sharply with comments by Mr Klaus Kinkel, the foreign minister and party leader, who has steadfastly said that the FDP sees its fortunes tied to those of the CDU. Yesterday the SPD met in Bonn to discuss how it could make itself more palatable to industry. *Michael Lindemann, Bonn*

## Arianespace halts launches

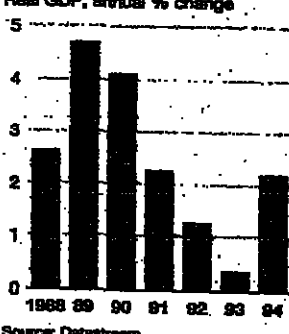
Arianespace, the European aerospace group, said yesterday it had suspended its satellite launching programme and set up an inquiry into the crash of Flight 70 last Thursday shortly after its launch from the island of Kourou off French Guiana in the Atlantic. First results of the inquiry into the accident - the seventh since 1973 but the second of its kind this year - are to be presented on December 15. But Arianespace said it would not comment on the findings until the official report was complete. "[The] mandate is to establish the causes of the failure of Flight 70 and to recommend all the necessary measures to be taken to correct the anomalies found," the company said. It is committed to launching 30 rockets before the end of 1996. Insurers have warned that the failure of the launch will lead to a reappraisal of rates for launches where insurance cover has not yet been agreed. *Reuters, Paris*

## ECONOMIC WATCH

## Dutch economy bounces back

## Netherlands

Real GDP, annual % change



Source: CEPR

The Dutch economy has grown by 2.2 per cent this year, far exceeding the 0.4 per cent rise in gross domestic product achieved in 1993, the central statistical office said yesterday. Reviewing the year, it noted that the sharp increase ended five years of steady decline in GDP growth from a peak of 4.7 per cent in 1989. "This year's economic rebound was firmly led by exports, up 5 per cent in volume terms over 1993 when exports rose by just 2 per cent. By contrast, domestic economic growth was relatively weak, with consumer spending rising 1.5 per cent. This marked the first time in three years that the rise in consumer spending did not outstrip the wider economy. Although investment grew at a modest 2 per cent, this represented a reversal of the previous year's 2 per cent decline. *Ronald van de Krol, Amsterdam*

West German industrial orders fell 0.2 per cent in October from September, but were up 10.4 per cent year-on-year. Slovakia posted a Sk160m (€3.26bn) foreign trade surplus in October, taking its January-October surplus to Sk1.38bn.

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Mexican president plans big overhaul of judicial system

## Zedillo swift to confront political tests

By Ted Bardecke  
in Mexico City

Mexico's President Ernesto Zedillo has acted swiftly on two of the most pressing political challenges facing his new administration. He has unveiled plans for a sweeping overhaul of the judicial system and an accord designed to prevent violence during this week's transfer of power in the southern state of Chiapas.

The judicial reform would allow Mr Zedillo to remove all Supreme Court magistrates and name a new court if he wishes, providing an opportunity to clean house only weeks into his six-year term. The reforms would also prohibit cabinet ministers and congressmen from being named to the court, thus ending the practice whereby it had become a refuge for out-of-favour politicians.

The judicial reforms, detailed on Monday, involve changes to the constitution and require approval by both legislative chambers and state legislatures. They would award more power to the traditionally weak legislature by giving the Senate the authority to ratify the nation's attorney-general and Supreme Court justices after open hearings.

Mr Zedillo's aides claim the reforms form a key component of a bigger agenda of political reform by strengthening the judicial and legislative branches of government at the expense of the president. But they also concede that the "top down" approach of the reforms makes them "just a beginning."

and it will take the president's entire term for them to become fully functional.

Mr Zedillo is relying on Mr Antonio Lozano, the new attorney-general, to change the ethos and practices of the police, much criticised for corruption and ineffectiveness. On Monday Mr Lozano, a member of the conservative opposition National Action party, named fellow party members to all six top jobs in his law enforcement agency.

Other aspects of the reforms include a mechanism allowing citizens to challenge inaction by prosecutors and police, as well as the constitutionality of federal, state and local laws.

In Chiapas, scene of a bloody Indian uprising earlier this year, the interior ministry has reached an agreement with the self-styled State Democratic Assembly, which groups the state's leftist opposition. The accord calls for protesters to respect Thursday's swearing-in ceremony of governor-elect Mr Eduardo Robledo, and for the state government to respect the right to protest.

The assembly, backed by the Zapatista rebels, claims Mr Robledo was fraudulently elected and had promised to use civil disobedience to prevent his taking office. The Zedillo administration has insisted Mr Robledo take office, saying its larger agenda of promoting the rule of law would be undermined if it began forcing governors to resign.

It was not immediately clear if the agreement would be respected by all assembly members.

## 'Honest broker' on course for Treasury

At 73, Mr Lloyd Bentsen has always seemed an outsider in the youthful administration of President Bill Clinton. It was not just his age that set him apart, however. His conservatism, his instincts for the dynamics of Congress and his impatience with the White House's interminable policy debates have all distinguished him.

They are qualities that the Clinton administration may need more than ever as it faces the prospect of two years of intense ideological confrontation with the new Republican majority in Congress.

Since their electoral defeat last month, Democrats have been trying to figure out where they went wrong, and where they need to go to recover. White House staffers debate feverishly over whether the president would be better off veering left or right.

In this climate, Mr Bentsen's influence had seemed sure to grow, partly because of his ability, demonstrated in six years as chairman of the Senate finance committee, to work with the Republicans, and not least because he has always seemed to be one of the few people who can force the Clinton administration to make up its mind.

That is a quality shared by Mr Robert Rubin, 56, who will be nominated to succeed Mr Bentsen as Treasury secretary.

Robert Rubin is likely to adopt a conservative line if he assumes the economic reins in the US, writes George Graham

There will be no sharp difference in philosophy between the two men.

When Mr Clinton asked Mr Bentsen in 1992, just after his election victory, whom he should name to the Treasury, Mr Bentsen suggested Mr Rubin. Mr Rubin, in turn, suggested Mr Bentsen. "Ever since, Bob Rubin has insisted that he had more influence with the president than I did," Mr Bentsen said yesterday.

Senate confirmation cannot be taken for granted with the pugnacious Senator Alfonse D'Amato taking over as chairman of the Senate banking committee, but there is no immediately obvious reason why Mr Rubin should face confirmation difficulties.

A former chairman of the Goldman Sachs investment bank, Mr Rubin turned his newly created position as head of the National Economic Council into an essential centre for co-ordinating the work of often competing agencies such as the Treasury, the US trade representative's office, the Environmental Protection Agency and the Commerce Department. At a ceremony at the White House yesterday, Mr Clinton called Mr Rubin "the consummate honest broker".



Robert Rubin: modesty has been secret of his success

Mr Rubin will take the lead next year in the battle with the Republicans over fiscal policy, and has served warning that he will demand that any tax cuts be paid for by offsetting tax increases or spending cuts.

One of the secrets of his success in co-ordinating economic policy has been his own modesty, which has helped to bring competing agencies together without fear that the NEC would steal their thunder. That

Budget, seems likely to keep the administration on a conservative economic and fiscal course.

But the course may be harder to steer over the next two years than it has been over the last two, when rising employment and low inflation have kept the economic indicators favourable.

Mr Bentsen's successor faces the prospect of a slowing economy and the possibility either of a resurgence of inflation or of the beginnings of a recession.

Against this background Mr Rubin may be hard pressed to fend off the demands of Mr Clinton's political advisers and core Democratic supporters on the left and in the trade unions, and avoid the temptation of getting into a bidding war over tax cuts with the Republican Congress.

Mr Bentsen, whose resignation will take effect on December 22, will return to Texas to relaunch his business career. Mr Frank Newman, the current deputy Treasury secretary, will serve as acting secretary until Mr Rubin is confirmed.

Mr Bentsen has promised to come back to Washington frequently to be part of what Mr Clinton called "a seasoned kitchen cabinet". "You bet I'm not retiring. I think you rust out before you wear out," he said.

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### AMERICAN NEWS DIGEST

## Brazilian court rules on Collor

Nearly two years after former president Fernando Collor de Mello resigned amid corruption allegations, the Brazilian Supreme Court today begins its judgment of the case. Mr Collor, who resigned in December 1992 hours before the Senate voted to impeach him, is accused of "passive corruption" by the attorney-general, who has collected more than 10,000 pages of evidence against him.

Mr Collor, who denies the charges, is accused of links to a network of bribes and corruption operated by his former campaign treasurer, Mr Paulo César Farias, during and after the 1989 presidential election. Mr Farias, who will also be judged, fled to London in July 1993 after an arrest warrant was issued. He was later extradited from Thailand. If found guilty, Mr Collor would face a jail term of up to eight years. He is not expected to appear at the judgment in the capital, Brasília, which could take several days. At the time of the impeachment vote the Senate banned Mr Collor from running for public office until the year 2000. Patrick McCarthy, São Paulo

## Montreal crime ring cracked

Montreal police have broken up a crime ring which has stolen hundreds of top-of-the-range Chrysler Cherokee four-wheel drive vehicles for shipment to Russia's black market. They recovered vehicles worth nearly C\$1m (£470,000) from a Montreal factory and rail yard and two more in Halifax, Nova Scotia. Five men were arrested. The ring moved the vehicles in containers, using false papers, through Germany and Finland to Russia. Robert Gibbons, Montreal

## Death row for anti-abortionist

Mr Paul Hill, former minister and US anti-abortion activist, was sentenced yesterday to die on Florida's electric chair for murdering an abortion clinic doctor and his escort. Mr Hill, 40, was convicted by a state court jury of the fatal July 29 shooting of Dr John Britton and his clinic escort, Mr John Barrett, outside the Ladies Centre abortion clinic in Pensacola, Florida. In a separate federal court trial, Mr Hill was convicted of violating a new US law that guarantees access to abortion clinics. He was sentenced to life in prison. Reuter, Pensacola

## Democrats accuse Clinton

Democratic party moderates blamed President Bill Clinton yesterday for last month's mid-term election calamity, saying he campaigned as a centrist but had failed to govern as such. The mood was sombre at the 10th anniversary conference of the Democratic Leadership Council, a group once chaired by Mr Clinton which is devoted to advancing a centrist political agenda. "Amid the avalanche of public disgust that swept our party from power in Congress, Democrats once again face a crisis of values, a crisis of principles, a crisis for the future of our country," said Mr Dave McCurdy, council chairman and an outgoing member of the House who lost his race for a Senate seat in Oklahoma.

California Senator Dianne Feinstein, narrowly re-elected last month, singled out what she termed Mr Clinton's over-ambitious effort to reform the healthcare system as a key factor in the Democrats' election defeat. Reuter, Washington

## US house completions fall

US housing completions fell 2.3 per cent in October, the Commerce Department said yesterday. It was the first decrease since July's 3.5 per cent drop. Completions of single-family units fell 0.3 per cent in October after rising in September by a revised 1.7 per cent. Multi-family unit completions fell 12 per cent in October after rising a month earlier by a revised 22.8 per cent. Previously, the department said completions of single-family units rose 1.9 per cent in September, and multi-family units climbed 22.3 per cent.

Meanwhile, US mortgage delinquency rates fell in the third quarter to a 21-year low, a Mortgage Bankers' Association of America survey showed. The quarterly national delinquency survey, which covers about a third of all residential mortgages, showed the overall seasonally adjusted mortgage delinquency rate on one- to four-unit homes was 3.9 per cent, down from 4.21 per cent in the second quarter. The third-quarter rate was the lowest since the opening period of 1973, when it hit 3.98 per cent, the MBA said. Reuter, Washington



## NEWS: INTERNATIONAL

## Taiwan opposition faces 'fit to rule' challenge

By Laura Tyson in Taipei

Taiwan's leading opposition, the Democratic Progressive party (DPP), faces the formidable challenge of proving to voters it is fit to lead the country when its testing ground is a city which verges on being ungovernable.

The eight-year-old party is renowned as much for sparking parliamentary brawls as for generating good ideas later co-opted by the ruling Kuomintang (KMT).

Now it must make a swift transition from the enfant terrible of Taiwan politics into an organisation capable of managing the chaotic capital Taipei.

Later this month Mr Chen Shui-bian, a DPP legislator, will take up the post of Taipei mayor after winning elections last weekend against the ruling party incumbent candidate for the post which previously had been an appointment.

He will command a municipal budget of T\$130bn (\$3.2bn) in the current fiscal year for the city of 2.7m residents.

This will be the most important administrative position the DPP has held since political reforms and regular elections began in the late 1980s. Its performance running the island's biggest city will be

critical to gaining voters' confidence before the first-ever direct presidential elections slated for early 1996.

Taipei's woes are legion and stem mostly from a combination of poor planning and rapid economic growth.

The KMT, which has ruled the island since 1949, has historically been loth to invest in non-productive services and infrastructure, hoping instead to realise the long-cherished dream of reconquering mainland China.

Open drains flow by dilapidated, or nonexistent, sidewalks on streets where garbage piles mount, stray dogs roam

and double-parking is the norm rather than the exception.

The capital's traffic bottlenecks and air pollution problems are legendary, parks are few and real estate is overpriced. Traffic regulations are observed largely in the breach and loosely enforced by a seemingly demoralised police force.

Mr Chen, a Taiwan-trained lawyer, built a fearsome reputation ferreting out military and official corruption in the Kuomintang government. But he will have to show that he is more than just a crack investigator and smooth talker once he finds himself at the receiving end rather than on the attack.

Mr Chen faces the urgent task of revitalising city services and restoring morale among government employees and residents. Not least of Mr Chen's challenges will be to sort out the city's unfinished accident-prone, corruption-plagued urban mass transit system. He got a taste of what is to come yesterday when a carriage derailed during a test run. Experts dismissed the mishap as minor but it topped the evening news programmes and fuelled public fears about the system's safety.

The traffic-clogged capital's mass transit system was originally scheduled to start running in August 1991 at a budget of T\$250bn. Costs have ballooned to T\$440bn and after a succession of delays the first line has yet to open.

Believed to be the world's most expensive per kilometre, the system has attracted widespread allegations of corruption. The first chief of the department overseeing construction, Mr Chi Pao-cheng, was impeached, and the second, Mr Lai Shih-sheng, faces corruption-related charges. His case is pending.

France's Matra Transport, the general contractor on one

of the system's main lines, is embroiled in a contract dispute with the department over damages claims because of construction delays. The mayor-elect has promised to conduct a top-to-bottom review of the system.

Mr Chen will have a grace period during which he can blame his predecessor when things go wrong. But eventually Taipei residents will want to see progress on his pledges to improve the quality of life, break the "hungry" culture - the practice of giving red envelopes, or bribes - in city government, and curb gangster-related violence.

## Alarm bells ring for China investors

Concern is growing over accumulating problems, writes Tony Walker

It was a familiar litany from Chinese leaders at their Central Economic Work Conference in Beijing last week. They agreed to quicken the pace of enterprise reform, improve macro-economic measures and further develop the market system and economic legislation.

These worthy aims, which included a call on government at all levels to achieve a "correct balance" between reform, progress and stability, are unlikely to have lessened the growing concern of international creditors over an accumulation of nagging problems. Companies planning to invest in China are also being caught up in a mood swing that began surfacing last month.

"People are very uneasy," said an American banker in Beijing. "Sometimes in November the fear factor really kicked in."

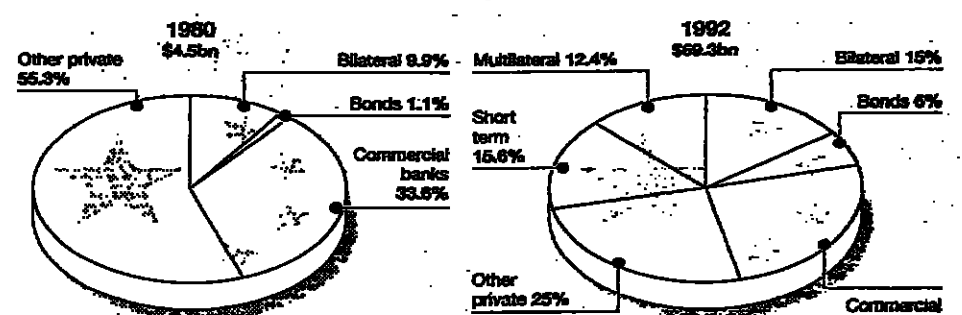
It was inevitable that a more sober view of the risks and rewards of doing business with China would materialise sooner or later, but the intensity of present disquiet says a lot about overheated expectations of the past year or so.

"Nothing has changed that much from six months ago," the banker added. "But what has changed is that people have ceased suspending disbelief."

Problems that raised the alarm and prompted a rash of inquiries from anxious head offices to their representatives in China and Hong Kong do not in themselves portend disaster but, taken together, create a somewhat disturbing picture.

They include news that Lehman Brothers is suing leading Chinese enterprises over non-payment of \$100m (\$25.5m) in losses incurred in currency trading; publicity given to the old issue of long-overdue payments on leasing debts; an

China's external debt: the build-up



Source: World Bank, World Debt Tables 1993-94

argument between the China International Trust and Investment Corporation and the London Metals Exchange over alleged unpaid obligations on commodities trading by Citic's Shanghai branch; and attempts by the Beijing Municipality to remove McDonalds from a prime site to make way for a Hong Kong-funded development; this despite the fast-food chain having a 20-year lease.

For those with a stake in China or contemplating one, these episodes raise the question of whether they are part of a much wider problem, and mark the beginning of a trend.

Compounding the nervousness are concerns about China's high inflation rate (consumer prices in the main cities up 27 per cent in the 12 months to October), indications the reform effort may be faltering, a continuing credit squeeze, and a litany of borrowing outside the state's borrowing plan.

Western bankers in Beijing are loth to speak on the record about difficulties with overdue payments, mainly from state enterprises, but they confirm the problem is widespread. "You are going around swapping names these days of who you don't want to deal with," the representative of a large

European bank, which has its share of troublesome clients, said.

Representatives of international lending institutions take a fairly sanguine longer-term view of the latest developments, but believe that in the short term, lenders and borrowers are in for a "booming-up" period, as one put it.

"There are going to be some hard knocks," one representative declared. "Some institutions have been excessively gung-ho about lending to China." China's international advisers are urging it to clarify what constitutes sovereign risk to calm concerns among investors.

Western bankers estimate that about two-thirds of China's external obligations are sovereign or government debt, but the proportion of sovereign debt has been diminishing in light of a rash of borrowing outside the state's borrowing plan.

Debt service on China's estimated \$83.5bn external debt at the end of last year stood at about 12 per cent, according to Mr Yan Jian, a finance ministry official, who indicated Beijing wanted to keep the ratio below 15 per cent.

A recent World Bank analysis concluded that China's

external debt and debt-service position was "sound" at the end of 1993, but also warned that as state-owned enterprises became more autonomous, the authorities would need to guard against too rapid build-up of their external debt obligations.

Of China's various arguments with foreign creditors, the leasing issue is perhaps most revealing of the difficulties of operating in an environment which, in the words of one banker, still resembles the "wild east".

Banks, including several of the larger Japanese and European institutions, blundered into China in the mid-1980s, lending to state enterprises through newly-established leasing companies in which the foreign banks were minority shareholders.

Much of this lending went towards purchases of machinery for textile factories, some of which have never repaid a cent. But the ability of the leasing companies to retrieve the funds is limited by the fact that because they are majority Chinese-owned concerns they are classified as local operations.

This means they are obliged to take their place in a lengthening queue of creditors

among state enterprises caught up in China's huge triangular debt problem: the inability of enterprises to pay each other for goods and services.

Mr Gernot Kluss, chairman of the Friendship Association of Foreign Joint Venture Leasing Companies, is not optimistic that the 31 leasing companies affected will retrieve the \$500m-\$600m arrears owed despite a recent appeal to Mr Zhu Rongji, the governor of the central bank and vice-premier in charge of the economy.

But Mr Kluss also warned that if the funds are not forthcoming, it will "affect China's creditworthiness".

Heavily-borrowed enterprises considered vulnerable to a downturn in the Chinese economy and rising interest rates include speculative real-estate ventures such as hotels, fancy restaurants, condominiums, and golf courses. Funds have poured into these areas in the past two years.

Bankers expect the authorities to crack down soon on borrowing outside the state credit plan. "It's only a matter of time before they begin restricting borrowing," one Hong Kong-based analyst says.

For all the gloomy talk, the fact remains that foreign direct investment is continuing to pour into the country. At the end of October, \$25.2bn of funds had been utilised, up 44 per cent over the same period last year. China's economy is continuing to grow strongly, with growth expected this year of 11.5 per cent against more than 13 per cent last.

In most developing countries these statistics would indicate an embarrassment of riches. But in China's case such is the task facing its rulers that international confidence is likely to become more fickle, now that the honeymoon with Western business appears to be coming to an end.

## Higher wages demand and alleged attack on worker prompt discord

## Vietnamese strike at Korean-owned plant

More than 300 workers at a South Korean-owned textile mill in Vietnam struck yesterday in a dispute over wages and an alleged attack by a South Korean employee on a Vietnamese worker, AP reports from Hanoi.

The strike began on Saturday at the Pang Rim Vietnam Company in Viet Tri City, about 40km north west of Hanoi, and highlights the tension between managers and workers at some foreign ventures. The country has become a favoured investment home for companies seeking a low-wage production site.

Pang Rim Vietnam is wholly owned by Pang Rim, South Korea's third-largest textile maker. Mr L.C. Kim, head of the factory's import-export division, said by telephone that the two sides had agreed to a wage increase and that the strikers were expected to report for work tomorrow. He said the strike did not entirely shut down operations, as 1,300 other workers remained on the job.

The strike reflects growing assertiveness among Vietnamese workers, especially since a labour law was passed last summer explicitly protecting the

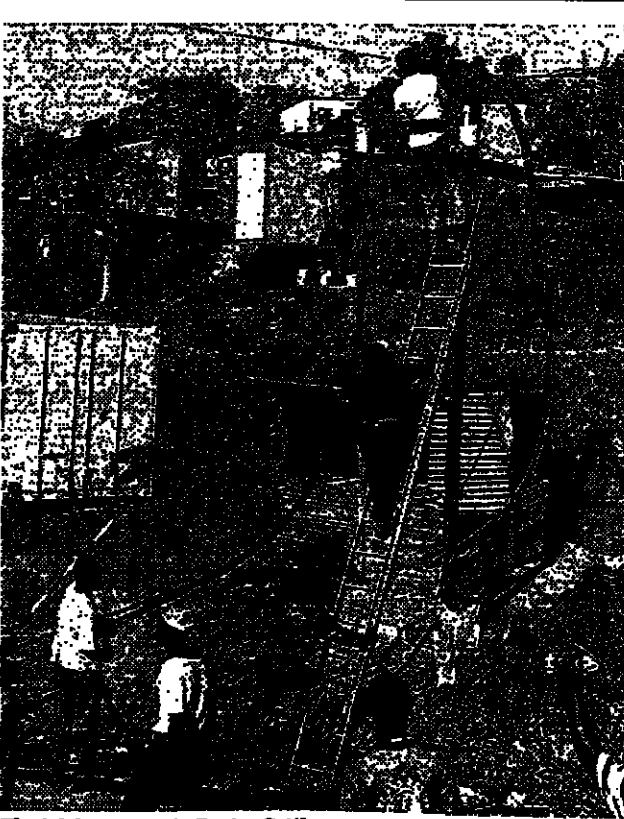
right to strike. The official newspaper Lao Dong said last month that 32 strikes had occurred in the country from January through October.

The strike also reflects tensions between foreign bosses and Vietnamese workers accustomed to very different work styles. Workers at another South Korean company walked out last year after a similar allegation was made that a South Korean supervisor had struck a Vietnamese worker.

Mr Pham Dinh Chien, president of the textile mill's trade union, said the Pang Rim strike was triggered when a

foreman beat a worker he thought had left work early. Mr Kim denied that any beating took place. A Vietnamese worker who answered the telephone at a factory office described the incident as a fight between a worker and a South Korean technician who had demanded to see the worker's pass.

Vietnamese government officials rushed to the plant on Monday to mediate in the conflict. The two sides agreed the same day on a settlement including wage increases of 5 to 10 per cent, but the strikers failed to show up for work yesterday.



Electricity comes to Bester Settlement near Durban

As the squatters' protest this week indicated, patience is likely to run out unless there is a visible effort to address popular grievances well before the oft-postponed local elections take place. "They have been sending the wrong signals so far," says First National's Mr Masepa. "It is time for the government to start addressing grassroots concerns."

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## NEWS: WORLD TRADE

## Change of heart by US on Gatt

By Frances Williams in Geneva

The US is expected this week to withdraw its threat to leave the General Agreement on Tariffs and Trade Organisation, Gatt's successor, comes into force on January 1. The move would have left those countries which were not WTO members by the date the US left without legal protection for existing Gatt benefits.

Washington's change of heart follows a deal between the leading trading nations under which WTO members will have the right to pull out of Gatt after the end of next year. Since virtually all Gatt's 124 members are expected to be WTO members by then, Gatt will effectively cease to exist.

During 1995 Gatt and WTO rules will run in parallel, a legally uncomfortable arrangement that the US had wanted to avoid. WTO rules and commitments will take precedence where the two overlap or conflict. Trade diplomats said yesterday that the deal, worked out last weekend between the US, European Union, Japan and Canada had won broad acceptance among Gatt members. It is also raising truck output at the plant, which was opened in 1992 as the group's third European truck assembly facility, to meet rising demand in Europe.

Mr Bengt Klingberg, president of Scania Production Angers, said truck assembly in France had risen from 7 units a day last January to 25 units a day now. In that time the workforce had doubled to 400. Production would be raised to 34 trucks a day by April with an increase in the labour force to 485 as the plant

The WTO anti-dumping and countervailing duty accords, which will apply to all WTO members, allow recourse to the organisation's dispute procedure only for suits filed after January 1. Suits filed before that date could result in duties being imposed which could not be challenged either under the WTO or under the Gatt codes because the US would no longer be a member.

Washington has said it is prepared to acknowledge cases already going through Gatt procedures, which include an important EU challenge on anti-subsidy duties on steel. US officials claim withdrawal will not make much difference to the outcome of these disputes, since under existing Gatt rules any nation can block adoption of panel rulings it disputes.

Trade officials were also trying to sort out before tomorrow's meeting a wrangle over who should chair the key WTO committee which will monitor the dismantlement of the Multi-Fibre Arrangement restricting imports of textiles and clothing from the Third World. The decision on who should head the WTO, could be postponed to early next year.

## Big coalfield reclamation agreed

Germany to spend DM12bn on clean-up of lignite sites

By Judy Dempsey in Berlin

Germany's federal and state authorities are to pay DM12bn (\$8bn) for one of the largest reclamation programmes for eastern Germany's open cast brown coal, or lignite, fields.

The environment ministry yesterday confirmed that the programme will run a further five years to 2002. It was begun in 1991 and had been due to end in 1997. The extension follows agreement by environmental ministers from the eastern German states to provide additional financing.

Strabag, Hochtief, and Thyssen-Haniel, the country's largest construction and engineering companies, are expected to play a major role in removing contaminated

material and reclaiming at least 10,000 hectares.

But the Treuhand privatisation agency, which oversees land reclamation projects in eastern Germany, rejected a bid from Morrison Knudsen, the US mining corporation, to participate in the project.

Along with Britain's PowerGen and NRG of Minneapolis, Morrison Knudsen last year bought the viable parts of the Mibrag brown coal fields which straddle the eastern states of Saxony and Saxony-Anhalt. The uneconomic parts are being closed by the Treuhand.

Depending on the level of contamination, the reclaimed land will generally be used for recreation or farming. Already some of Mibrag's sites have been turned into lakes

and leisure centres.

The financing of the project, considered by energy experts as one of the environmental ministry's most ambitious land reclamation projects in eastern Germany, will be split between the Bund, or federal authorities, and the eastern states. The Bund will pay 75 per cent.

The environment ministry estimated approximately DM1.5bn would be spent each year from 1995 to finance the project, in addition to the DM6bn already spent.

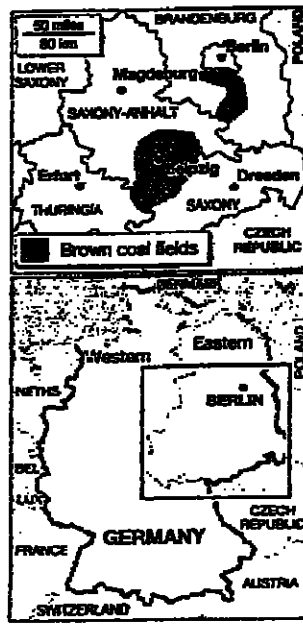
"But apart from bringing the land back to economic use, the decision to continue the land reclamation programme until 2002 means that 17,000 full-time jobs - maybe even 20,000 - will be guaranteed," the ministry

said. Many of the employees are former miners made redundant after German unification.

The land reclamation schemes follow closures of several uneconomic brown coal fields belonging to Laubag, eastern Germany's largest lignite complex, located in the eastern state of Brandenburg, and Mibrag.

Brown coal, one of the main culprits of east Germany's environmental problems under the communists, was the main source of energy for the region's factories.

Laubag was recently sold to a west German energy consortium led by Rheinbraun, the brown coal subsidiary of EWE, the country's largest utility, and including PrussemElektra and Bayernwerk.



## Scania plans attack on Renault's domination of French bus sales

By Kevin Done, Motor Industry Correspondent, in Angers

Scania, the Swedish commercial vehicle maker, is to start assembly of buses at its plant in Angers in western France.

It is also raising truck output at the plant, which was opened in 1992 as the group's third European truck assembly facility, to meet rising demand in Europe.

Mr Bengt Klingberg, president of Scania Production Angers, said truck assembly in France had risen from 7 units a day last January to 25 units a day now. In that time the workforce had doubled to 400. Production would be raised to 34 trucks a day by April with an increase in the labour force to 485 as the plant

reached its full single shift capacity of more than 7,000 trucks a year.

The move to begin bus assembly in Angers is part of the group's strategy for expanding its share of the west European heavy bus and coach market from 6 per cent at present to 10 per cent by the end of the decade.

In France it is seeking to weaken the domination of the market by Renault, the French state-owned car and commercial vehicle maker, and Heuliez, its bus-making affiliate.

Mr Arne Karlsson, head of Scania Buses & Coaches, said the company planned to begin bus production in Angers in the second half of 1996. It would produce a range of city and inter-city buses with capacity planned to rise to

around 300 a year by the end of the 1990s. The project will create around 250 jobs at full production.

Mr Karlsson said the move signalled Scania's increased interest in the French market. The ability to offer locally built products would provide "a major competitive edge" over European rivals importing buses into France.

France has a total market of around 3,000 city, route, and tourist buses and coaches a year, of which more than 75 per cent are supplied by domestic manufacturers.

Around two-thirds of the market are city and route buses. The bus industry in Europe is going through a period of far-reaching restructuring with several of the leading truck and bus chassis makers such

## US and Japan to resume glass talks

By Our Foreign Staff

The US and Japan were yesterday due to re-open talks aimed at fulfilling an autumn pledge to open Japan's \$4.5bn flat-glass market.

The two sides struck an agreement in principle in early October but negotiations have failed to yield an actual pact. The two sides have agreed the principles for opening Japan's flat glass market but some issues remain over the details of foreign access and technical aspects.

Washington and Tokyo decided to extend the deadline for agreement on the flat glass sector negotiations after last month's failure to secure a comprehensive accord. Japan has agreed to promote the use of foreign-made glass in some government-funded facilities which would serve as model projects.

There is also broad agreement on the use of objective criteria to measure progress in import penetration. Differences remain, however, over whether the objective criteria should be forward-looking, as the US hopes, or should only measure past developments, as the Japanese insist.

Japanese officials are concerned that forward-looking measures could turn into restrictive targets aimed at ensuring a specific market share for foreign products in the domestic glass market.

There has been less progress in parallel talks on access for US vehicles and vehicle parts in the Japanese market. Negotiations have not been resumed since September when the US cited Japan's vehicle parts after-sales market as being characterised by 'unfair and discriminatory trade practices' and unilaterally began an investigation under Section 301 of its trade act.

## WORLD TRADE NEWS DIGEST

## Singapore seeks light-rail tenders

Singapore has called for tenders for two light-rail train (LRT) systems which will serve as feeder services to stations on the existing mass rapid transit (MRT) rail network. Each of the new LRT systems will be about 10km long and cost about \$400m (US\$205m). Although Singapore has one of the world's most modern and efficient transport systems, the government is under political pressure to improve the network.

A licensing system which seeks to limit the number of cars on Singapore's roads has pushed the price of owning a vehicle beyond the reach of many citizens. "We cannot promise every Singaporean a car," said Mr Mah Bow Tan, communications minister. "But we can promise every Singaporean a comfortable, convenient and cost-effective transport system." Tenders have been called on a turnkey basis, with submission by the end of January.

Preference will be given to proposals involving joint ventures with equity participation by Singapore-owned companies. *Kieran Cooke, Singapore*

## Huaneng in China power deal

Huaneng Power International, together with Southern Electric International (SEI) of the US, is to build a \$1.1bn power plant in China's Jiangsu province. Huaneng will own 51.7 per cent of the plant to be built in Nanjing city, SEI about 30 per cent, and local government the rest. Construction of the two 600MW units is to start in 1996 and finish by 1999.

"Capital investment will account for 25 per cent of the total and the rest will be debt," according to a manager in Huaneng's securities department. But the company has still to reach a profit agreement with local government before a contract can be signed. "We hope they will accept Huaneng's current profit scheme approved by the ministry of power industry," the manager said. In June, the ministry cleared a price policy for Huaneng based on a 15 per cent return on net assets. *Reuter, Hong Kong*

## Taiwan carrier to expand fleet

Taiwan's China Airlines (CAL) plans to buy up to 10 small regional passenger jets for about \$400m. Models under consideration include the Boeing 737 series, the McDonnell Douglas MD-90 series and the Airbus A320. CAL is considering spending \$4bn on upgrading its fleet within the next 10 years. The airline wants to expand its current fleet of 37 aircraft by buying about 30 new aircraft and replacing 16 older units.

Expansion of the company's fleet of larger regional jets and long-distance aircraft with 350 seats or more is also under consideration. *Reuter, Taipei*

## EU tariff plan worries Ecuador

Ecuador will be hit if the European Union decides to remove flowers, tuna fish, and shrimp from the general system of preferences granted to Andean countries, according to the government. Support for the Andean countries' export industries through tariff concessions has been part of a EU policy that recognises efforts by Andean Pact governments in the fight against narcotics trafficking. A few weeks ago EU delegates to the Andean-European Commission recommended to the EU Council a 10-year renewal of the existing trade preference list.

A preliminary decision, to be confirmed or rejected by the Council of Ministers on December 19, would remove these agricultural products from the preferences list. For Ecuador, which is pursuing free-trade policies and seeking entry to the General Agreement on Tariffs and Trade, this comes as yet another blow, after the US earlier this year imposed anti-dumping tariffs on its flower exports. *Roy Colitz, Quito*

Morgan Stanley International of the US has signed a memorandum of co-operation with Indonesia's PT Makindo Securities to establish an Indonesian joint venture investment bank. The proposed bank is expected to focus on share offerings of Indonesian companies abroad and in Jakarta. *AP-DJ, Jakarta*

The main terminal building contract at the Kuala Lumpur international airport at Sepang has been awarded to a consortium led by Pemas Precision Engineering and Construction (Pemaspec). Pemaspec bid M\$1.74bn (US\$682m) for the job. The Malaysia-Japanese consortium Pemaspec-Taisei-Kajima-Shimizu-Hazama outbid eight groups to win the contract to build the passenger terminal. *Agencies, Kuala Lumpur*

A Malaysian consortium and Nanjing city authorities formed a joint venture to build a \$450m bridge over the Yangtze river in China. Berjaya Engineering and Construction (HK) and the Second Nanjing Bridge Office agreed to set up a bridge development company called Berjaya Second Nanjing Yangtze Bridge for the project. *Reuter, Kuala Lumpur*

## Peace process brings dividends for exporters

## Israel looks east for new markets

By Julian Ozanne in Jerusalem

Israeli exports to Asia have risen by a third in the first nine months of this year, highlighting the growing trade benefits resulting from the Middle East peace process, according to Israeli Treasury officials.

Including diamonds, Israeli exports to Asia climbed to \$2.3bn between January and September compared to \$1.8bn for the same period in 1993. The Treasury said the trend reflected the development of non-traditional markets. Exports to Asia now account for 12.4 per cent of total Israeli exports, compared to only 8.1 per cent in 1992, the Treasury said.

The figures were announced ahead of next week's visit to Tokyo by the Israeli prime



Rabin: string of visits to Asia minister, Mr Yitzhak Rabin. During the visit, the first to Japan by an Israeli premier, Mr Rabin is expected to sign two agreements; the first on

cultural exchanges and the second on co-operation in science and technology. Israeli officials said the visit would be a landmark in Israeli-Japanese relations after a prolonged period in which Israel regarded Tokyo as taking a pro-Arab line on foreign policy because of its dependence on Arab crude oil.

Israeli exports to Japan rose 17.5 per cent in the first nine months of this year to \$681.5m, compared to \$579.6m for the same period in 1993. However, almost 70 per cent of Israeli exports to Japan are diamonds.

Since the Israeli-Palestinian peace breakthrough last September, Mr Rabin has also visited China, Singapore and Indonesia. After his visit to Tokyo he will travel to South Korea.

The Treasury also said that total exports, including services, are forecast to grow by approximately 9 per cent this year, after a 12 per cent increase last year, and that the high level of inward investment in the Israeli economy would ensure continued high growth of exports in 1995.

Israeli exports of merchandise, excluding diamonds and services, reached \$10bn in the first ten months of this year - an increase of 12.1 per cent in real terms over last year.

Agricultural exports rose 7.2 per cent during the first ten months and industrial exports, excluding diamonds, climbed 12.3 per cent. Exports rose 3 per cent to the European Union, 13 per cent to the European Free Trade Association and 7 per cent to the US.

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## Fall in sales of new cars alarms traders

By John Griffiths

A further sharp fall last month in the number of cars purchased by private buyers has caused increasing alarm in the UK motor trade.

Industry officials yesterday described last month's 13.5 per cent fall in the number of new cars bought privately, compared with November 1993, as another indication of a faltering in the economic recovery and lack of consumer confidence.

However, a further strong rise in commercial vehicle registrations last month - of 17.13 per cent year on year - and a 15.7 per cent rise in fleet car registrations, is seen by some analysts as indicating that the industry may need to look elsewhere to explain the steep fall-off in private buyers during recent months.

They suggest that higher prices than private buyers consider justified, followed by rapid depreciation - caused in part by manufacturers giving

priority to the fleet market - are leading private customers to opt for low-mileage used cars.

Mr Alan Pulham, director of the National Franchised Dealers Association, has criticised manufacturers' pricing policies and the fact that cars are mainly designed for the business car market. Overall, he says, the price of a medium-sized family car is about £2,000 higher than it would be otherwise and values on the used market have been undermined by deeply-discounted sales to fleets.

Prof Garel Rhys, professor of motor industry economics at Cardiff Business School, has warned that many private buyers may not return to the new car market until prices fall nearer to North American levels, which can be up to 40 per cent lower than in the UK.

Statistics from HPI, the vehicle finance monitoring organisation, also show credit purchases of used cars rising by 11.1 per cent in the first nine

### Japanese manufacturers forge ahead as Europeans slide

| UK registrations of new cars | Volume  | Change | Share | Share | Volume    | Change | Share | Share |
|------------------------------|---------|--------|-------|-------|-----------|--------|-------|-------|
| Total market                 | 225,254 | -0.8   | 100.0 | 100.0 | 1,837,888 | -7.8   | 100.0 | 100.0 |
| UK-produced                  | 225,254 | -0.8   | 100.0 | 100.0 | 1,837,888 | -7.8   | 100.0 | 100.0 |
| Imports                      | 225,254 | -0.8   | 100.0 | 100.0 | 1,837,888 | -7.8   | 100.0 | 100.0 |
| Japanese makes               | 16,858  | -11.2  | 7.5   | 7.5   | 1,221,280 | -12.8  | 66.5  | 66.5  |
| Other makes                  | 208,396 | -0.2   | 92.5  | 92.5  | 616,608   | -5.0   | 33.5  | 33.5  |
| Volvo                        | 2,233   | -1.2   | 1.0   | 1.0   | 22,284    | -1.2   | 1.2   | 1.2   |
| BMW                          | 2,107   | -1.2   | 0.9   | 0.9   | 20,771    | -1.2   | 1.1   | 1.1   |
| Peugeot                      | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Renault                      | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Seat                         | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Skoda                        | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Subaru                       | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Suzuki                       | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Toyota                       | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Vauxhall                     | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |
| Other                        | 2,067   | -1.2   | 0.9   | 0.9   | 20,333    | -1.2   | 1.1   | 1.1   |

Source: Society of Motor Manufacturers and Traders

months of this year - almost twice the new car level.

Manufacturers publicly insist that the problem is one of confidence. "The continuing decline in the retail market in November continues to demonstrate how fragile consumer confidence remains," Mr Ernie Thompson, chief executive of

the Society of Motor Manufacturers and Traders, said.

Rover Group also blamed the low number of private buyers mainly to poor consumer confidence, linked to non-recovery in the housing market. "There might be some people out there who have decided to opt for used cars. But most

people will always want a new car. It will all change back these things go in peaks and troughs," a company spokesman said.

The SMMT statistics released yesterday showed new registrations of 126,854 last month, down 0.6 per cent on a year ago.

## Glaxo is sued over dye used in hospitals

By Richard Wolfe

Glaxo, the pharmaceuticals manufacturer, is being sued for more than £80m (£131m) by about 400 former hospital patients in the first of a series of cases over the medical dye Myodil.

Lawyers acting for the patients say the action, to be heard at the High Court in London in April, represents a test case for other Myodil claims. Lawyers are thought to be preparing cases in Scotland and Ireland, and the dye was also used in Australia, Canada and South Africa.

The patients claim that Myodil, which was widely used in spinal X-rays between 1944 and 1967, damaged nerve roots, causing acute pain and even partial paralysis.

They allege that Glaxo failed to issue adequate warnings about side effects. Glaxo denies negligence.

Myodil was discontinued seven years ago when Glaxo said demand had declined. The oil-based dye fell out of favour in the early 1980s as water-based products and non-invasive techniques became popular. Doctors would inject the dye as part of a technique called myelography. The

## Cash hopes rise for creditors of Nadir's empire

By Jim Kelly, Accountancy Correspondent

The administrators to Polly Peck International, part of the collapsed business empire of fugitive businessman Asil Nadir, announced a breakthrough yesterday in settling the claims of creditors.

As a result of a deal, agreed in principle with creditors of other parts of the Polly Peck Group, an interim payment is now likely to be made to as many as 1,500 creditors by early next summer.

Mr Christopher Barlow, a partner at Coopers & Lybrand and lead administrator to PPI, told creditors yesterday that he estimated the interim dividend at 1.2 pence to 1.8 pence in the pound.

Further payments are possible up to a further 2.6 pence in the pound, although that does not include income from legal claims or assets currently held beyond the reach of the administrators in northern Cyprus.

Last May Mr Nadir fled the UK for his native Cyprus while facing charges of false accounting and theft involving £34m. The administrators reported yesterday that they were in talks with the government of northern Cyprus on settling control of the disputed assets.

In his eighth report to creditors since the collapse of the company in 1990 with debts in excess of £1bn, Mr Barlow was able to announce that complex

legal issues stemming from the structure of the Polly Peck Group were very close to being settled. A deal is expected to be signed within a week.

As a result, \$180m held in PPI Holdings BV, a Dutch company, will be released and some funds allowed to flow on to PPI. The funds include the proceeds of the sale of the Del Monte fresh-fruit business.

The deal puts in place an agreed formula for the distribution of future assets realised from the Polly Peck Group and should mean that they will flow relatively smoothly to the creditors of PPI. The deal would also settle a legal dispute over the routing of funds through the Polly Peck Group involving \$400m. The total assets so far realised from the Polly Peck Group total \$680m.

The report to PPI creditors says the deal, if signed, will remove scope for further arguments about claims from the different sets of creditors in the Polly Peck group. The basis of the split between groups of creditors is confidential.

Mr Barlow said he was "cautiously hopeful" that direct talks with the government in northern Cyprus would unlock the remaining assets, which include three hotels, a card-board box company, and a fruit packer. The assets in question in northern Cyprus have a book value of \$50m, but it is thought they would realise more than £15m if sold.

## Company law voting rights change mooted

By William Lewis

Following recent public anger at big pay rises such as the 75 per cent awarded last month to Mr Cedric Brown, chief executive of British Gas, Mr John Major has asked ministers and officials to come up with ways of giving shareholders greater influence over directors' pay.

The prime minister believes this will allow suspicion that the government is unwilling to curb large salary increases for directors while clamping down on workforce pay.

Top of the agenda is a possible change in company law to give shareholders the chance at company annual meetings to vote specifically on directors' salary packages. One idea is that shareholders would be given a summary of the main points of directors' contracts and asked to approve them if they have changed substantially from the previous year.

Statistics from HPI, the vehicle finance monitoring organisation, also show credit purchases of used cars rising by 11.1 per cent in the first nine

months of this year - almost twice the new car level. Manufacturers publicly insist that the problem is one of confidence. "The continuing decline in the retail market in November continues to demonstrate how fragile consumer confidence remains," Mr Ernie Thompson, chief executive of

the Society of Motor Manufacturers and Traders, said. Rover Group also blamed the low number of private buyers mainly to poor consumer confidence, linked to non-recovery in the housing market.

"There might be some people out there who have decided to opt for used cars. But most

people will always want a new car. It will all change back these things go in peaks and troughs," a company spokesman said.

The SMMT statistics released yesterday showed new registrations of 126,854 last month, down 0.6 per cent on a year ago.

means by which to vote against it, then that can only be a good thing."

The answer may lie in corporate governance developments in the US. A ruling by the US Department of Labor means that US pension funds may now have to exercise their votes in overseas companies in which they hold shares. "If that happens then we will surely see UK institutions also starting to vote, even if it is just to stop US funds becoming too influential," one fund manager said yesterday.

## Advertising standards body raps TV campaign

By Diane Summers, Marketing Correspondent

The Advertising Standards Authority has upheld two separate complaints against British Sky Broadcasting over its poster advertising, accusing the company of trivialising violent crime.

The ASA findings, published today, follow a request on Monday by the Independent Television Commission for BSkyB to purge images of Joseph Stalin

in future television advertisements. The first poster objected to by the ASA was headlined "The Simpsons. You saw it first on Sky" next to a police photograph of OJ Simpson, the former American football player accused of murder. The photograph was captioned "Sky News. On the hour, every hour, 24 hours".

The ASA said it considered it offensive "to trivialise a crime of this nature."

The second complaint concerned a poster featuring the chalk outline of a dead body with an erect penis. The poster was headlined "Cause of death: Madonna" and advertised a film on Sky's movie channel. The ASA said it was concerned about the use of the image, "particularly in the context of a poster advertisement".

BSkyB said the poster was part of a campaign "characterised by irreverence, wit and sense of fun".

Pearson, owner of the Financial Times, has a 17.5 per cent stake in BSkyB.

The ASA upheld two separate complaints about two companies, Gemini Systems and Stealth Electronics, advertising devices claimed to counter police speed traps. The authority said Gemini Systems had failed to substantiate their claims and that the "use of their product in the intended manner would constitute an offence".



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## NEWS DIGEST

## Firebombs mailed to six branches of Barclays Bank

Police urged vigilance after six firebombs were posted to London branches of Barclays Bank. They warned that more could still be in the mail. One worker suffered shock and another was slightly injured but declined treatment when two devices went off as staff opened the post at branches in Hampstead High Street and Ladbroke Grove.

Anti-terrorist officers made safe devices at King Street, Hammersmith; Gloucester Road; Kensington High Street and Edgware Road. There was no immediate claim of responsibility for the firebombs which police said were posted in the London area within the last 24 hours. They were in video cassettes with the cover The Mardi Gras Experience and wrapped in Christmas paper.

"Barclays staff and other financial institutions should be alert to the possibility of further devices," said a police spokesman. "It's always possible some may have not yet arrived or more may be posted." Detectives are particularly interested to hear from retailers who may have recognised the distinctive wrapping paper, which was blue with gold snowflakes, or the video cassettes.

## Lord Mayor fears 'second Dallas' near Queen's castle



The Queen has given permission for oil exploration work to begin early next year near Windsor Castle. Camk Exploration, a small oil company based in Gerrards Cross, 60km north-west of London, believes as much as 100m barrels of oil could lie 1,000 feet below the royal castle. "In any other location, it would have been tested years ago," said Canadian geologist and oil executive Dr Desmond Oswald. "But nobody previously has had the courage." He dismissed suggestions that the testing, in the Game Park about 600 metres from the nearest part of the castle, would mean that the Queen would have to endure the stench of crude oil. "There would be no more smell than there is around a garage," he said.

He insisted that "everything would be restored to its previous condition" once the unobtrusive exploratory work was complete. If oil is found it will be extracted away from the castle using "extended reach" drilling techniques. Windsor's lord mayor Mr Dennis Outwin said: "Although we are assured that Windsor Great Park will be barely affected by this, I frankly find that hard to believe. It's bound to lead to Windsor Great Park being turned almost into a second Dallas."

## Job-cutting telecoms group gives assurance on further cuts

British Telecommunications yesterday assured its workforce that it saw no need for any compulsory redundancies "in the foreseeable future". The group, which earlier this year announced plans for 15,000 redundancies during its current financial year to March, has so far agreed 13,000 voluntary redundancies and said this year's programme was on target. Unions said they were pleased they had been able to secure redeployment of staff members who wished to stay.

In August, Sir Iain Vallance, BT chairman, said he was stinging to shed a further one-third of the group's workforce in the medium term. That would lead to about 50,000 redundancies in addition to the nearly 90,000 imposed in a cost-cutting exercise during the past four years. The redundancies would reduce BT's workforce to about 100,000, less than two-fifths of its size in 1990.

This week Mercury Communications, BT's largest competitor, said it would cut 2,500 jobs - nearly a quarter of its workforce - over the next year. The National Communications Union - which Mercury does not recognise - said it would press to make the cuts voluntary if possible.

## More Scots back Labour

Support for Labour in Scotland has risen eight percentage points to 65 per cent at the expense of every other party, says the latest System Three poll. The Scottish National party has fallen back to 25 per cent from 27 per cent. The Conservatives are down to 12 per cent from 15 per cent.

## BBC appeals for support

The BBC has appealed to the commercial television companies and the Independent Television Commission to support the corporation's move into the global marketplace. Mr Bob Phillips, deputy director-general, said that if the BBC was unable to supplement the licence fee either programme quality would suffer or there would be a revival of the argument that the BBC should carry advertising. BBC broadcasting is financed by a levy of £26.50 (£142) on all users of television sets.

## Minister spells out cuts in police and army costs that are expected to follow terrorist ceasefires

## N Ireland 'peace dividend' may total \$295m

By John Murray Brown  
in Belfast

A saving of £180m (\$295m) can be expected from cuts in security expenditure over the next three years following the paramilitary ceasefires in Northern Ireland, Sir Patrick Mayhew, Northern Ireland secretary in the UK government, announced yesterday.

His announcement of a "cautious peace dividend" will give a welcome boost to the local economy ahead of next week's International Investment Conference in Belfast. The move comes just four days before the his-

toric opening talks between British government officials and Sinn Féin, the IRA's political wing.

The savings, which Sir Patrick unveiled together with public expenditure plans for Northern Ireland, represent cuts in the compensation paid for bomb and other terrorist damage to property and a planned reduction in the overtime bill of the local police. The savings will be used to boost the local education and health budgets.

Spending on law and order, excluding army costs which are carried by the UK Ministry of Defence, is £880m a year. Some £50m will be saved this

year, rising to £80m in 1996-97 and a further £70m in 1997-98. Police overtime currently costs £25m a year.

Overall spending for Northern Ireland over the period is expected to remain fairly constant at £25m in real terms.

Sir Patrick warned that the measures depended on maintaining the ceasefire. He also emphasised that police numbers would remain the same and that recent security moves, reducing police and the army on the streets, could be reversed "within 24 hours".

Sir Patrick said there had been a "substantial" number of acceptances

of invitations to the investment conference.

After apparent US pressure, the government announced that representatives from the economic committees in Belfast and Londonderry city councils had also been invited to the working sessions.

However Sinn Féin seemed set to boycott the investment conference, complaining that it had been snubbed, and demanding to be treated equally with the other political parties.

The row surfaced after it emerged that a full invitation to the dinner had also been sent to the small non-sectar-

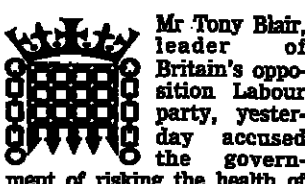
ian Alliance party's Mr John Alderdice, who is only a local councillor

and whose party has less electoral support than Sinn Féin.

Government officials yesterday said the three Belfast Sinn Féin councillors - Mr Martin Mullooly, Mr Joe Austin and Ms Una Gillespie - had initially indicated that they would attend the Wednesday sessions. Sinn Féin said yesterday, however, that they were boycotting the conference.

The three briefly picketed offices of the Industrial Development Board which is handling the conference, complaining that they were treated as "second-class citizens".

## Tories rapped ahead of VAT vote



Mr Tony Blair, leader of Britain's opposition Labour party, yesterday accused the government of risking the health of pensioners by imposing value added tax on heating fuel to finance tax cuts before the next election. Kevin Brown and David Owen wrote.

In acrimonious Commons exchanges, Mr Blair repeatedly accused Mr John Major and Mr Kenneth Clarke, the chancellor, of breaking election promises not to increase the rate or scope of VAT.

He told MPs: "The price of tax cuts next winter will be that more of Britain's pensioners will freeze this winter."

Mr Blair's comments came amid frantic efforts by senior ministers and government whips to rally support for an increase in the VAT rate, against a background of growing unrest among Tory MPs.

Mr Clarke accused Labour of failing to face up to the policy

implications of their attempt to prevent the tax increase.

As the five-day Budget debate neared its conclusion he urged them to show their commitment to healthy public finances by indicating whether they wanted lower taxation or higher public borrowing.

Mr Jack Cunningham, shadow trade and industry secretary, refused to anticipate a Labour budget, which was unlikely for another 2½ years. He said Mr Clarke was being "absolutely fatuous" in making such a demand.

Mr Michael Heseltine, trade and industry secretary, defended the VAT increase and insisted that it had enabled the chancellor to produce a Budget that had "gained the confidence of the markets".

Underlining the importance of market confidence, Mr Heseltine said it was "an essential pre-requisite" to maintaining the economic growth on which the prosperity of the nation depended.

As Mr Major flew home early from the European security

conference in Budapest, Mr Clarke and Mr Richard Ryder, chief whip, were locked in a series of meetings with rebellious backbenchers demanding the withdrawal of the increase.

Even government loyalists were grumbling about the refusal to drop the second tranche of VAT on heating fuel, which will raise the rate of tax from 8 per cent to 17.5 per cent. One backbench MP, normally counted as a strong supporter of Mr Major, said the issue had been handled with "all the guile of a newt."

Downing Street officials said that the prime minister stood by warnings from Mr Clarke that the government would have to raise other taxes if Conservative rebels succeeded in forcing the withdrawal of the VAT increase.

The second tranche will raise about £1.5bn in a full year, on top of some £1.4bn raised by the first tranche increase from zero to 8 per cent. The government has already announced compensation worth £850m, mainly to pensioners.

## Major's minority government

| Party                               | MPs |
|-------------------------------------|-----|
| Conservative                        | 324 |
| Others                              |     |
| Labour                              | 269 |
| Liberal Democrat                    | 20  |
| Ulster Unionist                     | 9   |
| Northern Ireland                    | 9   |
| Field Cymru (Welsh nationalists)    | 4   |
| Social Democratic and Labour        | 4   |
| Northern Ireland                    | 4   |
| Socialist                           | 3   |
| Democratic Unionist                 | 3   |
| Popular Unionist                    | 1   |
| Scottish Nationalist                | 1   |
| Conservative whip                   | 1   |
| Whipsman because of Euro-skepticism | 1   |
| Reigning Conservative whip          | 1   |
| In sympathy with rebels             | 1   |
| Speaker and deputies                | 1   |
| Vote only when                      | 1   |
| (pending vote needed)               | 1   |
| Seat vacant because of MP's death   | 1   |
| Total                               | 390 |

## 'Sleaze' inquiry to look overseas

By Andrew Adonis  
Public Policy Editor

The Nolan committee on standards in public life is to examine recent moves to regulate abuse of public office in the US, France, the Republic of Ireland and Australia.

Lord Nolan announced yesterday that his committee's first report, to be published next spring, will cover the House of Lords, the unelected upper house of parliament.

The committee was established by Mr John Major, the prime minister, after allegations of "sleaze" against some Tories in the wake of a series of ministerial resignations. One of the allegations was that some MPs were willing to put questions to ministers in return for cash payments.

Lord Nolan, a law lord, said he expected hearings early next year to be held in public. He added that the three main

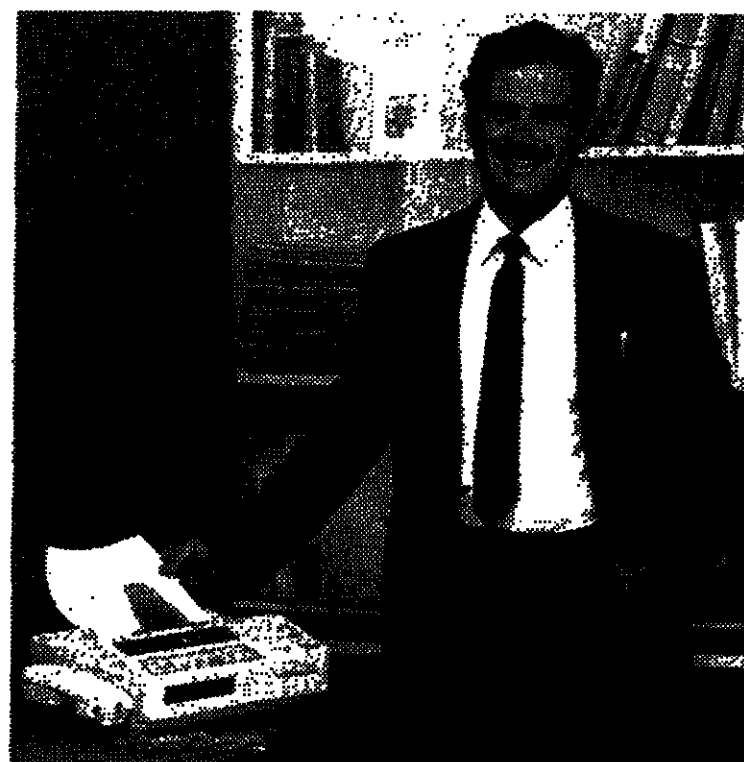
areas to be covered by the first report would be:

● Parliament, including "cash for questions" in the Commons and the role of lobbyists. Controversy about those issues led to the resignation from the government of junior ministers Mr Neil Hamilton and Mr Tim Smith in October.

● Ministers and civil servants, notably the acceptance of gifts, possible conflicts of interest, and employment on leaving office - issues raised by cases of former ministers and civil servants taking jobs with companies they were responsible for in government.

● The "big-spending quango" - short for "quasi-autonomous national government organisations" which are outside the government although their leaders are appointed by ministers. The Nolan committee will examine methods of appointment and possible conflicts of interest.

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## MANAGEMENT

Vanessa Houlder looks at the ways big companies encourage innovative employees

## Rewards for bright ideas

Last month a group of experts on valve emissions controls, aluminium sulphate elimination and vibration-aided furnace decoking held a celebration in a Buckingham management centre.

These were the winners of a new award set up by BP Chemicals to encourage innovation. It is one of a number of companies hoping that the recognition of success will provide role models, encourage innovators and motivate others.

Bryan Sanderson, chief executive of BP Chemicals, says he was startled by the response to the awards, which attracted 155 entries. "It seems there was a lot of potential for innovation which we did not know about," he says.

The awards were conceived at a time when BP Chemicals was concerned about a staff survey that suggested many employees did not feel the company was innovative.

That posed a problem for a company which believes that its drive

for greater efficiency of the last few years has to be replaced with a more creative philosophy. "Rapid cost reduction and focusing is a miserable management job but conceptually it is easy," says Sanderson. "But getting the next phase of profit improvement is difficult and increasingly it will have to come from more innovative thinking which increases performance and productivity."

When BP Chemicals decided to introduce an innovation award, it looked to similar schemes set up by BOC, the UK gases company, 3M, the US manufacturing group, Dow, the US chemical company, and Elf Aquitaine, the French petrochemical company. Some of these awards are designed to recognise technological achievement; others to recognise innovation in every function of the organisation.

These innovation awards tend to reward winners with glory, rather than hard cash. Like BP, which primarily gives its prize winners "a big

public thank-you", BOC does not give cash awards for its main scheme. Instead, winners receive a team trophy, individual plaques, some publicity and a trip to London, Washington or New York for a meeting with BOC's top management and a dinner dance.

Some companies have experimented with giving sabbaticals or grants to their most creative employees. In 1981, an IBM research centre in California introduced a scheme which rewarded the person who had the best idea with the services of a research assistant for two years.

One reason why companies shy away from financial rewards for innovation is that bringing an idea to market often involves complex teamwork in which it is hard to assess individual achievements.

The importance of teamwork in bringing new ideas to the market was a factor in BOC's setting up an award for technological innovation five years ago. It felt its reward

structure placed too much emphasis on individual achievement. That was compounded by scientists' tendency to reverse individuals for past scientific achievements. "We wanted to change our recognition system to put more emphasis on teams," says Deb Chatterji, managing director, technology.

Awards can raise the profile of an innovation but they cannot work in isolation. If an organisation is inimical to innovation, investing £25,000 a year on an award scheme is little more than window dressing.

Even companies with highly cre-

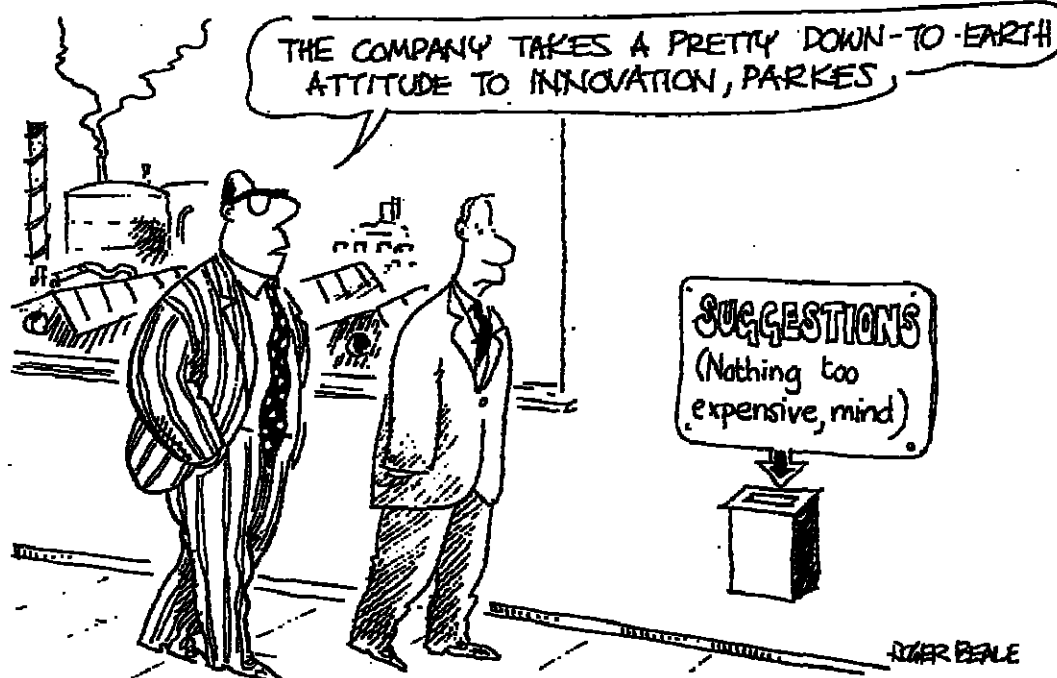
ative employees will not produce innovations unless the resources are available to ensure that new ideas are commercialised. Market-driven innovation also needs good communications between the design, development and marketing arms of the company.

Moreover, many companies frustrate the creativity of their employees with badly-designed incentive schemes linked to short-term goals, according to Clive Fletcher, a psychologist at Goldsmith's College at the University of London. "Companies often operate systems which

squeeze the innovation out of people," he says.

He believes that introducing awards for innovation can play a useful role. "Set against all the things that organisations do which counter innovation, it is a positive step," he says.

The difficulty in measuring creativity makes it hard for companies to assess the effectiveness of award schemes. However, top managers are enthusiastic. "It is hard to measure but one gets a clear feeling that it has a motivational impact," says Chatterji.



## Mixing MS with work

An international campaign to counter workplace discrimination against people with multiple sclerosis has been launched.

According to the International Federation of Multiple Sclerosis Societies, which is spearheading the initiative with Teva Pharmaceuticals of Israel, misconceptions about MS often result in the "inappropriate" management of affected employees. "Losing a job, cutting short a career or being unable to find suitable work can add to the difficulties and uncertainties of coping with the disease," it said yesterday at a London briefing.

Known to medical science for more than 150 years, MS is one of the most common diseases of the central nervous system and afflicts around 2.5m people around the world, particularly young adults. Its cause is not yet known and its course is unpredictable and variable, but it is not fatal.

The IFMSS campaign will encourage employers to look at policies and procedures and "identify realistic goals based on the principle that people with MS are usually able to continue as contributing, productive employees often with minimal or minor accommodations".

Companies should provide information to employees and senior managers which dispels myths (for example, that MS is infectious), increases knowledge about the different ways that MS affects people, and encourages a supporting environment.

"MS is a condition that affects far more people than is generally realised," says George Remington, senior medical adviser of Marks and Spencer and a keen supporter of the campaign. "But it is usually very mild. Few cases are as bad as, say, the cellist Jacqueline du Pré's, which was well known and which alarmed everyone."

Tim Dickson

Further information about Working Towards Independence from Pauline Crowe, Administrator, IFMSS, 10 Heddon Street, London W1R 7LJ. Fax 0171-267-2587.

## All aboard for the Channel tunnel

Allan Black explains the merits of having a union as a business partner

The executive of the GMB union formally decided yesterday to join a consortium of companies in its £2.7bn bid to build the Channel tunnel rail link.

We have been asked, along with other rail and transport unions, to take an equity stake in return for an interest in a new railway and associated real estate. The project includes two stations at Waterloo and St Pancras in London and nearly 70 miles of track to the tunnel entrance.

When Costain, the UK building company with a turnover of £1.2bn, approached me to ask the GMB to join the consortium - which also includes international companies Hochtief, Nisimatsu, Siemens, Hambros Bank and Prideaux Associates - even Costain admitted it was with some trepidation. The view that a union could be a partner on the board of management is not a common one in the UK.

But it is in Europe. Building

unions into the consortium of a project is just part of the procedure to win contracts on the Continent.

The British construction industry is becoming more Europeanised and its working practices are likely to become more common, as major continental construction firms increase their stakes in the domestic construction market.

The Channel tunnel rail link is likely to employ 10,000 workers at its height. Apart from the obvious benefits for the union in future membership - the joint aim is to have a unionised contract - we were delighted to be asked to be a part of the project that will bring so many badly needed jobs to the south and London regions.

The GMB union can offer the workers a package, which includes

health and safety measures that will be too good to turn down. We have just appointed five recruitment officers specifically for the construction industry, and when it comes to recruiting on the channel link project we feel we will have the edge because we will already have a foot in the boardroom. This will allow us to have a major say in designing health and safety policies and influencing site organisation.

The endorsement yesterday to proceed with the project will involve having union representation on the supervisory board. Although there are bound to be differences of opinion, the very involvement of unions on the board should encourage a dialogue which will minimise any differences. That

dialogue has already begun.

The nature of this dialogue will be set in the boardroom, but also by the investment that the union makes. As a symbol of our commitment to this partnership the GMB is considering how much of an investment it can make. Our finance committee will be considering the investment at its next meeting.

Our discussions with the contractors suggested that there are at least three advantages for employers in partnership projects of this nature. First, an early input on the crucial area of health and safety can save millions of pounds; second, we can establish formal industrial relations procedures, ensuring the smooth completion of this project; third, we can give priority to proper

consultation at every stage of the project to ensure that the workforce is fully informed and confident of management's intentions.

Both sides, an employer wanting good industrial relations and a progressive and forward-looking union can gain a great deal from this partnership. The pitfalls can be avoided before they occur.

The Channel link experiment is by far the biggest potential partnership scheme but there are others on the horizon. These include a batch of privatised road building projects which are also likely to attract involvement by foreign construction firms.

Just as the future for the British economy lies in Europe, so the GMB recognises the value of European involvement. We already have an

office in Brussels and are talking with the German construction union Bau Stein Erden about forming a partnership in Germany. There are at least 30,000 British and Irish construction workers in Germany alone.

The move throughout Europe is towards international construction firms. Bouygues, the French group, employs 55,000 people, five or six times more than the largest British contractor.

This firm and others are increasingly likely to look towards the British market. The GMB union is ready to work with these companies - we would consider working in partnership with companies in future projects. Companies which recognise the value of social partnership are on the increase.

This is the future, not only for the construction industry, but for British industry as a whole.

The author is GMB national officer for the construction industry.



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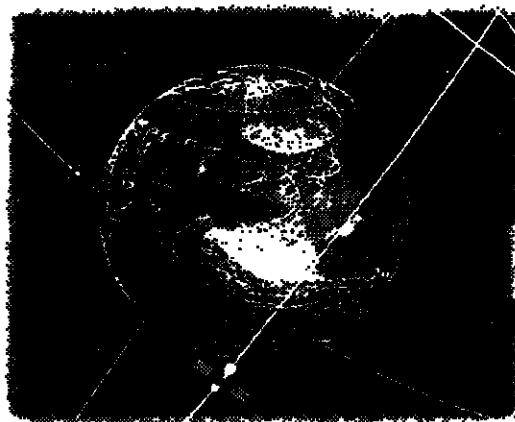
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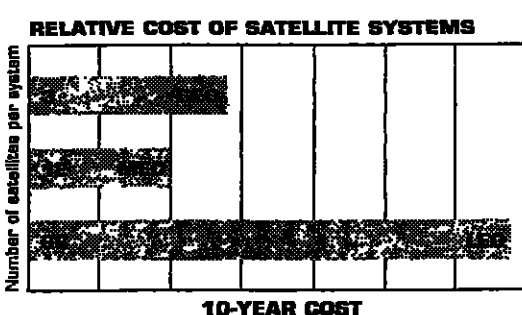
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\* "A Reevaluation of Selected Mobile Satellite Communications Systems: Elipsa, Globalstar, Inland and Odyssey," 1994, The Mitre Corporation

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## BUSINESS AND THE ENVIRONMENT

## Hybrid car sets out

Hydro-Quebec, one of Canada's two biggest power utilities, has developed a hybrid electric car technology that it says will reduce emissions and increase energy efficiency.

Hydro, best known for long-distance power transmission, electro-chemical and battery research, has unveiled its Couteur Powertrain system, which runs on electric batteries backed up by a small gasoline engine. It has spent C\$22m (\$9.5m) since 1991 proving technical feasibility and will spend a further C\$50m to reach the commercialisation phase.

The hybrid traction system, designed and developed by researcher Pierre Couteur, uses high-efficiency batteries to drive electric motors in each of a car's four wheels. A conventional gearbox, differential, drive shaft and gasoline engine are not needed.

A small gasoline engine recharges the batteries. The whole system, including central generator-motor, is computer controlled. It has a 30hp, two-stroke gasoline engine, with a catalytic converter. The engine runs for a maximum of 30 minutes per hour of driving.

Couteur says the system offers twice a conventional (internal combustion engine) car's energy efficiency, reduces emissions and makes significant savings in materials. Total vehicle weight is about the same as conventional cars. Manufacturing costs could be less.

Hydro is testing the technology on a standard Chrysler Intrepid sedan. Its rear wheels are driven by individual electric motors powered by batteries kept in the boot. The normal front-wheel drive system is disengaged.

Many groups are working on electric cars and hybrids worldwide. Recent US research shows that better design and electronics could raise average mileage per gallon to 46, or 65 per cent, according to research, but this is likely to add \$1,000 (\$610) to the cost.

Robert Gibbens

In the early 1980s, when Procter & Gamble first test-marketed a highly concentrated laundry product, few people would buy it. Shoppers were put off by what they perceived to be less fabric softener or washing liquid at a premium price. Few of them seemed to care very much that so-called "ultra" products could slash the amount of packaging finding its way into landfills.

But it was hard to keep a good idea down. P&G and other big consumer products manufacturers are now profiting from a shift in consumer sentiment. By 1993, "ultra" - or concentrated - products were capturing about 70 per cent of the laundry market, according to Green MarketAlert, a trade newsletter.

"Consumers once believed more is more, now they think otherwise," says Jacqueline Ottman, a New York environmental consultant.

Concentrates are perhaps the most conspicuous success in the campaign by US companies over the past decade to minimise the undesirable effects of their packaging, most often by cutting the amount of material that requires disposal.

"Source reduction" is the buzzword phrase used in the field to describe a movement that embraces package redesign, "light-weighting", and greater use of refillable containers and concentrates. It overlaps with efforts to promote recycling, which slows down demand for virgin materials.

Industry representatives and environmental activists agree that it is a cause that seems to be coming into its own in the US.

Over the past four years, P&G has cut its use of packaging materials overall by 24 per cent, including a 42 per cent reduction in paperboard. It has also lifted the level of recycled materials in its packaging to 37 per cent, from 23 per cent in 1989-90.

"There is now a critical mass of recycled materials available to meet our needs and those of our competitors," says Scott Stewart, a spokesman for P&G.

Between 1985 and 1992, the rate at which solid waste in the US was recovered doubled to 21 per cent, according to a recent study prepared by Franklin Associates, a Kansas waste-management consultancy.

In the soft drinks industry, the American Plastics Council says nearly 63 per cent of plastic bottles shipped last year were recycled. The rate for aluminium cans was 63 per cent, according to trade groups.

In part, these trends have picked up momentum because of new regulatory initiatives at state level and increased pressure by government officials of every stripe, from the federal Environmental Protection Agency to the local level.

Under the Clinton administration, the EPA has placed a stronger

Manufacturers are trying to cut their use of packaging materials, writes Frank McGurty

## Less is more



Refillable containers and concentrates are more prominent on supermarket shelves

emphasis on source reduction in all areas of environmental control. In the field of solid waste, however, the agency has shied away from imposing rules to require certain levels of recycled content in products or packaging.

Many cities and towns have taken a more active role, enacting laws that require residents and businesses to separate discarded cans, bottles and paper for recycling. For the most part, there is strong political support for such measures in spite of recent evidence that the US

is not running out of landfill space as fast as was feared in the late 1980s.

Meanwhile, nine states have controversial "bottle" bills on their books, which promote recycling by imposing returnable deposit fees on beverage containers. In Florida, the state has taken a unique carrot-and-stick approach. Certain containers that meet targets for recycling or recycled content are exempt from an "advance disposal fee".

Mostly, however, source reduction and the use of recycled materials are succeeding because they can be profitable in their own right.

"Source reduction yields significant economic benefits," says Ann Mattheis, director of the Source Reduction Task Force of the Council of Northeastern Governors.

"When companies choose to eliminate or minimise the amount of packaging they use, that translates into reduced costs for materials, transportation and retailing."

The task force has sought to prod the private sector gently along the green path by drawing up a set of guidelines on preferred packaging. Companies are invited to set their own timetables for conforming with the principles and to report annually on their progress. So far, 50 of them - from the leading multinationals to small niche marketers - have agreed to participate.

Their solutions range from the obvious to the ingenious. Mobil was able to pack its Hefly trash bags with 10 per cent less material by devising a better method for squeezing out the air between them. For Orisco cooking oil, P&G designed a squat container which carries the same volume with 30 per cent less plastic than its predecessor. Many marketers have simply eliminated unnecessary cartons and wrappers.

"Because of the economic considerations, companies will continue to reduce their packaging to whatever extent they can and still retain the integrity of their products," says Anthony Montrose, vice president of environmental business strategies at the Arthur D. Little consultancy group.

A secondary benefit for marketers is an improved public image. Nevertheless, when shoppers make their choice, a product's perceived environmental qualities usually are not as important as its performance, convenience and price, according to experts in consumer behaviour.

"Most often, the environment is a tie-breaker. When two products are otherwise equal, the tie usually goes to the dolphin," says Ottman.

Likewise, public demand is a big reason why marketers are turning to recycled materials for their packaging. "Companies are trying hard to keep in step with the environmental wishes of consumers as well as the policy makers," says E. Gifford Stock, vice president of environmental affairs at the National Soft Drink Association.

But they are not using more recycled material simply to curry favour, says Montrose. "They are doing it because it makes economic sense - it's a cheaper packaging material," he says.

Not as cheap as it was, however. Prices for recycled materials have risen over the past two years, in part because the US economic upturn has accelerated the demand for raw materials of all types.

## Trouble brewing over sewage plan

Lisa Twaronite on controversy in California over recycled water

The idea of beer brewed from recycled sewer water might deter even the most dedicated beer drinker, but it could become reality in drought-prone southern California.

In August, the Upper San Gabriel Valley Municipal Water District decided on a \$25m (£15m) plan to pipe reclaimed water from a nearby sewage treatment facility to an area near the Irwindale plant of the Wisconsin-based Miller Brewing company.

The US's second-largest brewer responded by filing a lawsuit, expected to be heard early next year, in an attempt to halt the project, citing potential pollution of the area's water supply.

"We believe we have an obligation as a corporate citizen, on behalf of our employees and consumers throughout California, to voice our strong concern about the safety, feasibility and overall public benefits of the project," said the company.

Robert Berlien, general manager of the water district, argues that the recycled water will meet all state health standards.

Water is a precious resource in southern California, where it is often imported hundreds of miles from its source to thirsty urban areas. The San Gabriel Valley now imports about a quarter of its water from other regions. The proposed reclamation project would save about 10bn gallons each year, reducing the valley's dependence on imported water by about a third.

"We pump more water out of the ground than nature puts back in," Berlien says. "And the imported water supply is becoming less and less reliable and more and more expensive."

He points out that water from the same sewage treatment plant has been transported to other areas for the past three decades, where households have used it with no apparent ill effects.

California has more than 200 such recycling plants, supplying about 5 per cent of the state's water. First, solid wastes are removed in settling tanks. Next, bacteria are added to consume organic impurities. The water is then filtered through sand and

charcoal, and finally mixed with chlorine, to kill anything that remains.

The water is then ready for industrial use and irrigation, but before being supplied to households it is taken to "spreading grounds" where it is released to naturally seep back into the underground water supply. State regulations mandate that the water must remain in the ground for at least six months before it can be drawn up and used.

The Miller plant turns about 60m gallons of water into 170.5m gallons of beer each year. The Irwindale site was chosen, the company says in its lawsuit, for its proximity to an ample supply of "high-quality" water, essential to the production of beer.

"When 98 per cent of your product is water, you want to make sure that water is pure," says Miller spokesman Michael Brophy. Miller is concerned that some of the recycled water will contain industrial waste, which could contaminate the ground water. The soil of the proposed "spreading ground" is coarse and rocky and therefore unsuitable to filter out contaminants adequately, says Brophy. The water authority counters by saying that the soil is adequate to take the water.

Miller's suit challenges not just the proposed project but the overall safety of recycled water. It says no conclusive data exist to prove that people who have been consuming recycled water are unaffected. It cites a study carried out on recycled water in nearby Orange County, which found a significant amount of chlorine-resistant bacteria.

Local environmental groups are split on the issue. Some favour more impact assessments before recycled water is put back into the ground. Other groups insist reclamation is a necessary part of responsible water use.

"We have some very serious questions about this project, about its technology and, ultimately, its effects," says Brophy. "What's wrong with second-guessing what a water district is doing? It is something we're going to keep fighting for."

## PEOPLE

## Another Barr leaves the ring

The Aerostructures Hamble shambles has claimed another victim - Brian Barr, son of the former chief executive, who yesterday resigned as a director.

Barr, 31, made almost £800,000 from the June flotation of the Southampton-based aircraft parts-maker. He was the production director responsible for the performance of the factory where Harrier parts were made, and where the company's problems began.

At the time of the second profits warning in October he was moved from the production to the engineering side of the company. His father, Andrew Barr, who made

£1.75m from the flotation, took early retirement.

The father and son team moved to Aerostructures from the Rover cars group. They were keen to introduce Rover-style lean manufacturing techniques to the aircraft industry.

A week ago Aerostructures ended its search for a new chief executive by appointing Christopher West, who has been acting as a consultant since leaving Westland Helicopters in 1992.

Yesterday the group announced the appointment of Hugh Curran, 41, as director with responsibility for manufacturing. Curran, now operations director at BTR

Westinghouse Brakes, was formerly with Shorts in Belfast. Both he and West will take up their duties at the beginning of next month.

David Ring, acting chief executive at Aerostructures, says the group is not abandoning the introduction of techniques learned in the motor industry. "We are making sure we have the latest and most appropriate technologies - many of which come from the motor industry. However, the aircraft industry is still a craft industry in many ways."

Shares in Aerostructures, floated at 120p, fell to 24p in October but have since recovered to 31p. David Blackwell

## George Cox to take on Unisys



Unisys, the US-based information technology group, has appointed George Cox as chief executive of its UK subsidiary in succession to John Perry, who has taken early retirement for personal reasons.

Cox, 54, is currently chairman of P-E International, the management consultancy. His appointment marks a further stage in Unisys's transformation from a traditional computer manufacturer selling mainframe and minicomputers to an information management company offering a broad range of computing services. Cox will report to Malcolm Coster, who was appointed president of Unisys Europe-Africa earlier this year. Coster was formerly head of international business development at the management consultants Coopers & Lybrand.

The transformation of Unisys, now trading profitably after several years of losses, is credited to James Unruh, chairman and chief executive, who has been seeking top management consultants to run strategic areas of the business. Cox was a co-founder with David Butler of Butler-Cox, based in London, which was sold to Computer Sciences Corporation in 1992. He became head of P-E International where he worked on focusing the company's development, cutting away non-core activities and improving its financial strength. Last year he negotiated a merger with Cray Electronics of the UK.

Cox says his immediate job is to develop a marketing approach to help establish Unisys's new image with the public; most of the restructuring has been done; drastic action is not required. Alan Cane

## Les Taylor finally retires

Peter Johnson, 47, is to become the new chief executive of Inchcape Motors Retail, a wholly-owned subsidiary of Inchcape, following the retirement of Les Taylor early next year.

Johnson will take control of one of the UK's largest car retail groups, which achieved £1,070m sales in the first half of 1994, and operating profits of £42.7m, up from £35m in the

previous year. A former director of Rover Group, in 1988 he moved to become managing director of Applied Chemicals, and then took on his current position as chief executive of Marshall Motors, based in Cambridge.

Inchcape has been streamlining its operations following the acquisition of TEM and Hoag Group, and it announced the sale of its entire vehicle rental business on Monday. However, car distribution and retail remain core activities.

Inchcape Motors has 109 franchises in 32 countries, and

represents 43 different manufacturers, including Rover, BMW and Jaguar. Its UK franchises include Mann Egerton, Coopers and H.A.Fox.

Les Taylor, 60, had worked for Inchcape subsidiary Wadham for 30 years, and had been due to retire last summer. Simon Davies

Ken Vowles, md of generation wholesale, has been appointed to the board of SCOTTISH POWER with additional responsibility for technical and environmental policy.

## Trying to practice what he preached

Sir David Trippier, the former small firms and environment minister who lost his Rosendale seat at the last general election, yesterday attached himself firmly to Manchester's financial and professional community by becoming non-executive chairman of the Davenham Group, an emergent corporate finance and investment specialist.

Davenham was bought out by Colin Davenport and Mike Hamlyn - hence the name - from the Burns Anderson Group, then a Bristol-based company with a Manchester office, in 1991 after even the famed Sir John Harvey-Jones as its chairman had failed to save it from collapse.

Davenham has since done well, including managing the assets of Edington, Henry Cooke group's failed mini-mer-

chant bank, for the KPMG Peat Marwick administrator; Edington's depositors are now expected to get back 100p in the pound.

With offices in Manchester and Sheffield, Davenham was backed by £10m of equity and debt at the buyout, so it knows something about its own market, which is finance for growing business, mainly in the north. It also has a small stockbroking subsidiary in which Trippier, who was a stockbroker before becoming an MP, will take close interest.

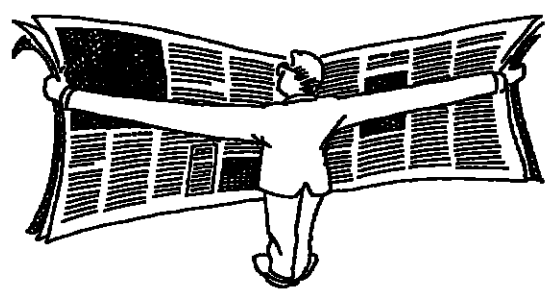
Trippier's other Manchester activities include a seat on the board of surveyors Dunlop Heywood and a consultancy with solicitors Halliwell Landau; he has dropped the chairmanship of Toppel Diagnostica, the biotech business which was spun out of the University



of Manchester Institute of Science and Technology, while keeping his share options.

"I couldn't do much more for Toppel now it is past the start-up stage," he said yesterday. "Because it helps to finance growing businesses, Davenham is always going to be at the exciting end of things. It is certainly hard work trying to do all those things I used to tell people they should be doing when I was small firms minister." Ian Hamilton Fozzy

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Television/Christopher Dunkley

## Go tell it to the Martians

Figures published last week by the Church of England show that in 1991-92 only 2.3 per cent of the population was attending Anglican churches. So if 97 per cent of the population now stays away, why do the mass media devote so much time to church matters, from women priests to the "politically correct" Bible? A good question, but for another column.

Television, which, even in the days of the "god slot", rarely concerned itself with religious belief, much preferring to have Harry Houdini sing a nice song, now pays virtually no attention to the central tenets of religion - faith, the divine, self-denial - favouring instead other programmes designed to comfort the elderly or series concerned with ethics.

It has been said that when people stop believing in God they do not start believing in nothing but in anything. Sure enough British television channels are now competing to show programmes which pander to a rapidly broadening spectrum of increasingly daft ideas, ranging from postmodernists to "angelic intervention". If you object to BBC1 featuring an alleged psychic in the opening programme of the British national lottery you are likely to be called a killjoy. If you suggest that an ITV series purporting to show hypnotism on screen is not only highly questionable (if hypnosis made yellow objects invisible to the subject of Mon-

day's programme, why did he not see straight through the close-fitting yellow suit of the man who was "levitating" the bottle to the body beneath? But also possibly dangerous, you will be told "it's only a bit of fun".

But is it really a bit of fun when television begins to pursue the irrational with as much, or more, enthusiasm than the rational? On Sunday last week BBC's *Timewatch* devoted 50 minutes to the theory that the sphinx is much older than the pyramids. "A radical new view of history, pushing the dawn of civilisation back by thousands of years". It began with a seemingly reasonable argument about the speed of weathering, the claim being that the sphinx was more deeply eroded than the pyramids because it was much older. In the letters column of *The Times* one writer pointed out that the sphinx was buried in the sand for much of its history and, unlike the pyramids, its limestone could thus have been eroded by the slow seepage of water. Another reminded us that the pyramids were origi-

nally "streamlined" in a cladding of finely dressed limestone thus avoiding erosion.

How could the *Timewatch* team be so inefficient as to overlook such seemingly obvious and telling arguments? That is hardly the point, as anyone who saw how the programme ended will have realised. Having relied, up to then, on John West, a tour guide with no qualifications in archaeology or anything else, whose method was described as "part psychic intuition, part showmanship", they finally turned to a man named Richard Hoagland. He showed us a photo of the surface of Mars with what could have been an odd smudge or, if you had a powerful imagination, a large stone carving of a head in the desert. So it seems the big question is: was Egypt's sphinx built by Martians? *Timewatch* used to be a reliable, generally admirable, series. What on earth is going on?

Next day *Horizon*, an older and even more highly regarded series, spent 50 minutes on a subject which America's pulp paperbacks and screaming tabloids

have been exploiting for decades: abduction by aliens. Millions of Americans (mostly women, judging from this programme) claim to have been whisked away to flying saucers by little grey men so *Horizon* happily trotted around and interviewed a few of these poor people. They assured us they were not dreaming, they really did "inter-act with these beings", and if not a single one of the capsules which the aliens habitually stuff up human noses has ever been found that is simply because they are all sneezed out and... and what? And lost in the stuff under the bed presumably. Presenter Dr Sue Blackmore suggested that belief in alien abduction could best be explained by sleep paralysis or temporal lobe epilepsy, hence, it may be said, no irrationality on the part of *Horizon*. But this is really the most important thing for Britain's oldest science series to be spending its money on?

Next day, Tuesday, BBC1 screened *Natural Neighbours*. The billing asked "Can we talk to the dolphins? Do they have the

power to heal our bodies and our minds?" and the narration began by describing the dolphin as "this mystical animal". Once again American women loomed large among the believers who were seen jumping off a motorboat in the Bahamas to swim among dolphins and then return to declare how good they felt. It was, to say the least, unfortunate that in the case of the most extreme example, a 17-year-old English girl said to be suffering from ME, we were shown just seven seconds of her and her dolphin together in the water, during which time she did not seem aware that he was behind her. Not to worry, though, the girl assured us "I didn't have to tell him I was ill". Anyone who has kept a horse knows there can be a remarkable degree of communication between man and animal. Anyone who has seen the effect of an affectionate dog on a geriatric ward knows that an animal can make the ill feel better. But dolphins healing our bodies? What is the BBC coming to?

Nothing quite as extreme or as silly as

ITV. On Friday's *Strange But True?* Michael Aspel just gave us ghosts: not only the Phantom Monk Of The Stockbridge By-pass but also the ghosts of the children who might have been killed in an ancient mining disaster and now chose to dance in circles among the electricity pylons. To illustrate this, Aspel had film of them doing it. Well perhaps not film of the actual ghosts, as throughout the whole history of the camera, this programme seems to have been unable to get any authentic photos of ghosts, so they did a nice reconstruction. OK, a nice reconstruction. Well all right, a rather naff and silly bit of invention designed to appeal to the credulous. In the second half we had an account by yet another American woman of how her male partner fell down a cliff and was killed while she somehow arrived at the bottom unharmed. Angelic intervention, she reckoned. No one was rude enough to ask "How come the angels dropped your bloke?"

Of course there is no denying that material of this sort attracts big audiences. It seems that many people need the irrational in their lives despite them of supernatural beings called "gods" and they will jump at the chance to hear about supernatural animals or superior beings from other planets. Television which is now concerned first and foremost with ratings can therefore be expected to offer more and more of this claptrap.

Theatre/Alastair Macaulay

## Clandestine Marriage

Nigel Hawthorne abounds in urbane charm. Whether on TV as Sir Humphrey in *Yes (Prime) Minister* or as Alan Bennett's George III (*The Madness of George III*) on stage, he is a constantly generous pillar of charm and civilised old-world values. Now, in the 1786 comedy *The Clandestine Marriage*, he has returned to the West End, not merely as actor, but also, for the first time, as director; and urbane and charm are in good supply.

It is not, on this occasion, a charm that runs deep. Indeed, his own performance, as the rheumatic old ninny Lord Ogleby, coasts by on charm,

Melville defects to her cause; and then Lord Ogleby also becomes her suitor; and confusions ensue.

It takes time, but the play's comedy slowly rises - so much so that the funniest line of all occurs right at the end. This is from Mrs Heidelberg, who announces, when Fanny's marriage is discovered, "She's rubbed - and I forgive her."

Yet this line would not be funny were it not for Susan Engel, who gives a marvellous performance with, above all, the imagination that is so vital to period comedy of this kind. The role has numerous mispronunciations and malapropisms, but Engel makes sure that the main joke is not there but herself: a bizarre booming contralto from the Low Countries in a towering Gainsborough wig. The way she uses her fan is exemplary - never opened, but twiddled, like a stilts.

That such a performance can flower here in credit to Hawthorne, so is the very acute playing in small roles. (From the moment William Oxborrow takes snuff, as Trueman, he announces himself as a beautifully inventive comic actor.) And yet Deborah Findlay, whose sheer attack is so welcome as the elder Miss Sterling, is allowed to give a truly stupid performance, forever shaking her red curls in the hope of a laugh, jumping between three or more accents, and gesticulating busily from the elbows out. Simon Chandler, as a pensive Melville, keeps his hands, often frozen in the air, around shoulder-level. Elizabeth Chadwick and Jonathan Cullen, as the clandestine lovers, stress the nervous tension of their roles at the expense of convincing us of their tenderness.

But Christopher Benjamin does good work as *nouveau riche* Mr Sterling; and Timothy O'Brien's sets and costumes are exemplary - elegant and persuasive without ever drawing attention to themselves. Finally the play, and charm, and urbane, carry the evening.

Urbanity and charm abound in Nigel Hawthorne's directing debut

when other directors might have challenged him to give a more verbally audacious performance.

Made up to look like an invalid toad in britches, pasty-faced with black-rimmed eyes, he has given himself some splendid physical comic business. When he thinks the pretty young heroine is confessing her love for him, he adorably (a) looks startled (b) cannot resist a smirk (c) starts to swagger (d) waves his stick round in the air. Lovely stuff. But there are too many cute facial appeals to the audience.

*The Clandestine Marriage* is good Christmas fare, for its tale is *Chanderella* with a twist. Fanny Sterling is the only source of real grace and beauty in her family. Her elder sister and her aunt (Mrs Heidelberg) are ridiculous turgidities; her father is a self-made man who is ruled by financial considerations; and all of them undervalue her. Fanny, however, as the title tells you, is already married in secret - to penniless Lovewell. Alas, her sister's fiancé Sir John



Hawthorne as the rheumatic old ninny, Lord Ogleby

## National Theatre announces 1995 programme

Richard Eyre confirmed yesterday that he was quitting as director of the Royal National Theatre in 1997. He described his years there as "the time of my life". If there was a downside it was the "blocked lavatory syndrome": being responsible for holes in the carpet as well as artistic excellence. "Running the National is like grief - you can never shake it off."

He looks forward to directing films as well as plays, and to writing. There is always the possibility of another big job - like chairing the Arts Council

for a Labour government? Meantime, he announced the 1995 programme. Former RSC director Terry Hands' makes his debut at the National, with Shakespeare's *The Merry Wives of Windsor*, with Dennis Quillan as Falstaff. Then comes Richard Wilson and John Alderton in Joe Orton's *What the Butler Saw*. Dylan Thomas's *Under Milk Wood* appears, and there is a return to the Lyttelton stage from the Cottesloe of Peter Brook's production of *The Man Who*. In May David Hare's new play, a three hander with Michael

Gambon, opens at the Cottesloe while at the Lyttelton Rodney Ackland's 1945 play *Absolute Hell* is revived, with Judi Dench repeating her 1992 television success.

The summer sees Eduardo de Filippo's *La Grande Magia*, directed by Eyre, and *Volpone* with Michael Gambon. The year's musical, subsidised by Cameron Mackintosh, is Sondheim's *A Little Night Music*. The year ends with Fiona Shaw in Congreve's *The Way of the World* and a co-production with Tara Arts of *Cyrano de Bergerac*.

Theatre/David Murray

## Children behaving badly

In a seaside town live four girl friends: mid-teens, tough-talking, hardhearted. It is an occasional pastime of theirs to lure some solitary man, kick him to the ground and rob him. They are used to being taken in by the police for cautioning, and they have come to know Daniel, a fanciable policeman; one or two of them have already shagged him, and others want to. What they do not know is that he is a women's shoe fetishist whose libido is draining steadily away into his kink. This causes misunderstandings, and eventually some gory, entirely predictable trouble.

The Royal Court Theatre Upstairs, like the Royal Court, has been here often before, as far back as Edward Bond's *Saved*: children of a demoralised working-class behaving badly. In Judy Upton's new play *Ashe and Sand*, which won this year's George Devine Award, slaggish young Hayley gets a speech roughly addressed to nobody in particular - *Le us* - which says it's all because there are

no jobs and nothing to do. That may well be so. Ms Upton, however, lacks Bond's hard, dry eloquence. The girls mostly talk punk-demonic, without frills, and the cops television-speak; but from time to time some sentence emerges which is so clankingly articulate and stilted as to fall stone dead upon the ear. Directed by Ian Rickson, the coven all work hard at being BAD, without quite silencing echoes of St Trinian's. Superficially, Susan Lynch's vocally abrasive Hayley might seem a piece of rolling-eyed, over-the-top acting - but perhaps just on that account, it may be closely observed naturalism.

The other girls, Rakle Ayola, Samantha Morton and Melissa Wilson, do their best with the bitty cameos they get between their feral group-assaults. Ms Upton connects very little up: the girls' peculiar savagery, Daniel's shoe-fetish, a colleague's immature affection for him, his dogged desire to transfer his job to Gibraltar - all float free and unexplained. The trendy Lolita-gang motif

- Furies, banshees, perhaps even *maenads* - was preempted by Philip Ridley's *Ghost from a Perfect Place* at Hampstead last season, and taken to such campily extravagant lengths as to cripple imitators. *Ashe & Sand* is tamer, and vaguer; at the end, I was unable to guess whether the debagged Daniel had actually been castrated by the coven, or just embarrassed by being smeared with body-paint.

But Nick Reding's Daniel is the performance of the evening: chirpy, evasive and sly-eyed in public, prematurely weary alone, he suggests dumb, unhappy depths beyond anything in the text. Michael Packer is deft with several small roles, and Richard Albrecht makes something solid of Daniel's bluff, shyly devoted colleague. Jeremy Herbert's designs involve a mirror-contraption that permits quick cinematic cuts from one scene to another: ingenious, though it works better if you sit near the middle. *Ashe & Sand* takes an hour and a half, with no interval.

Ballet/Clement Crisp

## An alternative 'Nutcracker'

Even before those dread waitings at the door - Marley's Ghost? No: Carol singers - the festive season announces itself with a first *Nutcracker*.

Happily, *Adventures in Motion Pictures* irreverent re-working avoids most of the care-worn elements of the story - one more smirking stage-tot registering delight at the sight of a Christmas tree and turns the tale jolly upside down. No cosy Biedermeier household but a grim children's home; Drosselmeyer as Emmeline; Clara in danger of losing her *Nutcracker* heart to a skating sex-bomb.

AMP's staging is, we are told, in its last season. Which is a pity. I reported with pleasure on its Edinburgh Festival creation two years ago, and last year's revival. It is still entertaining on its current outing at Sadler's Wells, and stage successes being as rare as they

are for modern dance, I would urge mothballs rather than the knacker's yard.

Matthew Bourne's production cooks snobs in the best fashion, sending up the ideas of a Victorian orphanage, Dickensian merriment - I love the way the puppetish decorations are whisked away as soon as benign visitors leave the orphanage - and the dire and sugary diversissements of Ye Olde *Nutcracker* itself.

This year AMP again fields some of its original cast. Eita Murriff is a touchingly tough Clara, and Andrew George looms large as the *Nutcracker* of her dreams (and just what those dreams are we surmise from his ultimate occupancy of her bed). I also enjoy Barry Atkinson's vicious Dr Dross with his bruise-a-kiddie philosophy.

The staging is polished, speedy, well performed, and includes a neat complement of snide jokes, not least the boy

orphan who wants a doll and gets a football.

Bourne's dances are bright, clever for the generality of the action - he maintains a brisk pace - but he is defeated by Tchaikovsky's greatest moments. To make sense of the sublimine of the adagio after the mouse-battle, of the snow-flake waltz and the great pas de deux, needs stronger dancers and more searching dances. (The score, in a skilled reduction, sounds well with the New London Orchestra under Ronald Corp.)

It is, all in all, a jolly evening, and can be seen as an inoculation against the conventional *Nutcrackers* that are massed on the dance-horizon, rich with menace and sweeties and optimistic choreography and performance. More, I suppose, of all that anon.

Staging sponsored by The Kohler Trust. At Sadler's Wells until December 10.

## INTERNATIONAL ARTS GUIDE

## PARIS

**GALLERIES**  
Musée d'Art Moderne, Ville de Paris Tel: (1) 47 23 61 27  
● André Derain: 350 works spanning his entire career; to Mar 19 (Not Sun)  
**OPERA/BALLET**  
Champs Elysees Tel: (1) 47 23 37 21/47 20 08 24  
● Kluge: by Rimsky-Korsakov. Musical director Valery Gergiev at 7.30 pm; Dec 10, 11  
● Sade: by Rimsky-Korsakov. Musical director Valery Gergiev at 7.30 pm; Dec 7, 9  
Opéra National de Paris, Bastille Tel: (1) 47 42 57 50  
● La Lac des Cygnes: by Tchaikovsky. Conducted by Vello Pihl/Ermanno Florio at 7.30 pm; from Dec 9 to Dec 31 (Not Sun)

## BERLIN

**CONCERTS**  
Berliner Philharmonie  
● Berlin Philharmonic Orchestra: conducted by Claudio Abbado plays Monteverdi, Stockhausen and

Tchaikovsky at 8 pm; Dec 8, 9, 10  
Konzert Haus Tel: (030) 309 21 02/ 21 03  
● Berlin Choral Society: with the New Berlin Radio Orchestra plays Dessau and Bach at 8 pm; Dec 9  
● Radio Symphony Orchestra: conducted by Georg Schimbö plays Bach, Paul Dessau and Strauss at 8 pm; Dec 7  
**OPERA/BALLET**  
Deutsche Oper Tel: (030) 41 92 49  
● Das Rheingold: by Wagner. Conductor Horst Stein, production by Götz Friedrich at 7.30 pm; Dec 9  
Staatsoper Unter den Linden Tel: (030) 2 00 4762  
● La Traviata: by Verdi. Conducted by Ritzl, production by Kirst. In Italian at 7 pm; Dec 11 (9 pm)

## BONN

**GALLERIES**  
Kunst- und Ausstellungshalle Tel: (0228) 9171 236  
● Wunderkammer of the Occident: a journey through the history of European museums and collections, with objects that have been collected by Europeans since the Renaissance; to Feb 26 (Not Mon)  
**OPERA/BALLET**  
Oper Der Stadt Tel: (228) 7281  
● La Traviata: by Verdi. A new production conducted by Eugene Kohn, with production by Jürgen Rose at 8 pm; Dec 12  
● The Sleeping Beauty: a new production of Tchaikovsky's ballet. Produced and choreographed by Youri Vámos at 7 pm; Dec 10, 11

## TURIN

**OPERA/BALLET**  
Teatro Regio Tel: 011 8815 241

● Lo Schiaccianoci: ballet in three parts by Tchaikovsky. Performed by the Kirov company, St Petersburg. Sun mat only at 3 pm; from Dec 10 to Dec 18 (Not Mon)

## LONDON

**CONCERTS**  
Barbican Tel: (071) 638 8891  
● Sir Colin Davis: conducts the London Symphony Orchestra in a concert to mark Finnish Independence day. Music of Sibelius, Mozart and Stravinsky at 7.30 pm; Dec 8  
● The Dream of Gerontius: by Elgar. The London Symphony Orchestra with mezzo-soprano Anne Sofie von Otter conducted by Sir Colin Davis at 7.30 pm; Dec 11  
Festival Hall Tel: (071) 828 8800  
● Beethoven Series: Philharmonia Orchestra conducted by Nikolaus Harnoncourt. Symphony No 8 and 6 (Pastoral) at 7.30 pm; Dec 10  
● Choral Classic Series: Royal Philharmonic Orchestra with soloists Judith Howarth (soprano), Ruby Philogene (contralto), Ian Bostridge (tenor) and David Wilson-Johnson (bass) perform Handel's, 'The Messiah' at 7.30 pm; Dec 9  
● Philharmonia Orchestra: conducted by Charles Dutoit plays Bizet, Goldschmidt and Prokofiev at 7.30 pm; Dec 8, 13  
● Royal Philharmonic: Mariinsky-Kirov Series: Royal Philharmonic Orchestra with conductor Valery Gergiev mezzo-soprano Larissa Diadkova and the Royal Choral Society perform Prokofiev and Rimsky-Korsakov at 7.30 pm; Dec 12  
● Royal Philharmonic Orchestra:

with conductor Vladimir Ashkenazy and pianist Shura Cherkassky plays Rubenstein's piano concerto No. 4 and Tchaikovsky's Manfred Symphony at 7.30 pm; Dec 7  
● The London Philharmonic: conducted by Bernard Haitink, with soloists Kenia Mattia (soprano), Ann-Murray (mezzo-soprano), Keith Lewis (tenor), Robert Lloyd (bass) and the London Philharmonic Choir perform Beethoven Symphonies Nos. 1 and 9 (Choral) at 7.30 pm; Dec 11  
**GALLERIES**  
Anthony d'Offay Tel: (071) 499 4100  
● Andy Warhol: early drawings by the artist; to Jan 28 (Not Sun)  
Royal Academy Tel: (071) 499 7438  
● The Painted Page: Italian Renaissance Book Illustrations from 1450-1550; to Jan 22  
**OPERA/BALLET**  
English National Opera Tel: (071) 632 8300  
● Ariadne on Naxos: by Strauss. A Graham Vick production at 7.30 pm; Dec 8  
● Figaro's Wedding: In house debut for conductor Derrick Inouye at 7 pm; Dec 10, 13  
● Khovanshchina: new production of Mussorgsky's opera. Director Francesca Zambello at 8.30 pm; Dec 9, 12  
Royal Opera House Tel: 071 240 1200  
● Ashton Remembered: celebration of founder choreographer Fredrick Ashton. Includes pieces by Mendelssohn, Offenbach, Massenet and Walton at 7.30 pm; Dec 9  
● La Traviata: by Verdi. A new production by Richard Eyre. Georg Solti conducts for the first five performances, then Philippe Auguin. In Italian with English

surtitles at 7.30 pm; Dec 8, 13  
● Mixed Programme: includes Fearful Symmetries choreographed by Ashley Page, and Symphony in C by Bizet, choreographed by George Balanchine at 7.30 pm; Dec 7, 10 (2 pm)  
● The Sleeping Beauty: a new production of Tchaikovsky's ballet. Produced by Anthony Dowell, set designed by Maria Bjornson at 7.30 pm; Dec 12  
**THEATRE**  
Lyric Hammersmith Tel: (081) 741 2811  
● Mirandolina: by Carlo Goldoni, directed by Della Beffa/Alpaatze. With Caroline Quentin at 7.30 pm; to Dec 10 (Not Sun)

## NEW YORK

**GALLERIES**  
Metropolitan  
● Ann Hamilton: exhibition reveals the artist's interest in the relationship between sight and touch; to Jan 3  
● Origins of Impressionism: 175 paintings by Parisian artists of the 1860's; to Jan 8 (Not Mon)  
**OPERA/BALLET**  
Metropolitan Tel: (212) 362 6000  
● Don Giovanni: by Mozart, sung in Italian at 8 pm; Dec 10  
● Lady Macbeth of Mtsensk: by Shostakovich at 8 pm; Dec 7, 10  
● Madama Butterfly: by Puccini at 8 pm; Dec 8  
● Peter Grimes: by Britten. English at 8 pm; Dec 12  
● Rigoletto: Italian opera by Verdi at 8 pm; Dec 9, 13  
**THEATRE**  
Joseph Papp Public Theatre Tel: (212) 598 7150  
● Sinfatic: directed by Sam Shepard. Set in the world of

thoroughbred horseracing, with Beverly D'Angelo, Marcia Gay Harden and Ed Harris at 8 pm; to Dec 11 (Not Mon)  
Roundabout Theatre Company Tel: (212) 699 8400  
● The Glass Menagerie: by Tennessee Williams. Director Frank Galati, cast includes Zeljko Vrnak, Julie Harris, Calista Flockhart and Kevin Kiner at 8 pm; to Jan 1

## WASHINGTON

**CONCERTS**  
Kennedy Centre Tel: (202) 467 4800  
● An Evening of Opera and Chamber Music: Selections from a new opera and chamber music by Soong Fu Yuan at 7.30 pm; Dec 11  
**GALLERIES**  
Freer Gallery Tel: (202) 357 2700  
● Chinese Calligraphy: exhibition focuses on varied uses of calligraphy from the 7th-19th century; to May 1  
**OPERA/BALLET**  
Kennedy Centre Tel: (202) 467 4800  
● The Nutcracker: music by Tchaikovsky. Presented by the Joffrey Ballet, choreographed by Robert Joffrey. No show Dec. 12th, mats at 2pm otherwise at 8 pm; from Dec 7 to Dec 17  
**THEATRE**  
Arena Stage Kreger Theater Tel: (202) 554 9086  
● Misalliance: by Bernard Shaw, directed by Kyle Donnelly; to Jan 8  
● An Evening with Tom Stoppard: presented by the Washington Shakespeare Company is a series of three one act plays by the British playwright at 8 pm; to Dec 17

## WORLD SERVICE

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## EUROPEAN CABLE AND SATELLITE BUSINESS TV

(Central European Time)  
MONDAY TO FRIDAY  
NBC/Super Channel: FT Business Today 1330; FT Business Tonight 1730, 2230

MONDAY  
NBC/Super Channel: FT Reports 1230.

TUESDAY  
Euronews: FT Reports 0745, 1315, 1545, 1815, 2345

WEDNESDAY  
NBC/Super Channel: FT Reports 1230

FRIDAY  
NBC/Super Channel: FT Reports 1230  
Sky News: FT Reports 0230, 2030

SUNDAY  
NBC/Super Channel: FT Reports 2230  
Sky News: FT Reports 0430, 1730



It has been a disquieting few days for the thousands of corporate treasurers who buy the complex financial instruments called derivatives.

Concern over derivatives - instruments that derive their value from that of an underlying asset or financial index - has been mounting after a series of losses involving them at companies and investment funds.

This week, it emerged that Bankers Trust, the US bank that pioneered derivatives, has agreed with supervisors to tighten internal controls over its business. And a study published on Monday found that few companies monitor their derivatives risks as expertly as they might.

For the vast majority of treasurers who now use financial derivatives at least in a simple form - perhaps to swap their floating rate interest payments on a loan for fixed ones - it is a worrying time. There can be few boards of directors, or chief executives, who have not sent urgent requests to their finance directors and treasurers to find out what arcane instruments they may have bought, and why.

Regulators and politicians have fretted over the rapid growth in derivatives for the past two years; the banks that trade in them have tried to improve their internal risk management systems to avoid unexpected losses. But the burden of concern is now shifting to buyers of derivatives.

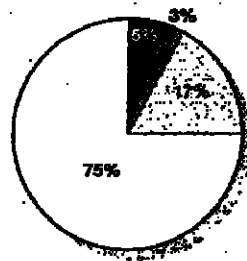
There are two broad purposes for which companies and other investing funds use derivatives. First is to hedge risks, the reason given by banks in marketing the products. A company that has borrowed at variable interest rates can protect itself against rises in rates by swapping into fixed rate obligations. A similar approach can be adopted to minimise exchange rate risks.

Second is the use that has received the most publicity this year, and the one to which derivatives have been put by many fund managers. This is to amplify the effect of bets on the future direction of bond and currency markets. Most well-known cases of derivatives losses this year - such as those of the US companies Gibson Greetings and Procter & Gamble - have involved such bets on future interest rates.

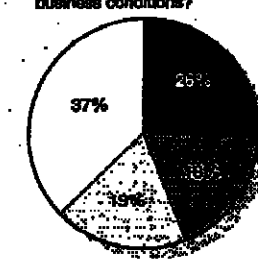
Derivatives can be used to increase potential profits - and losses - of bets by leveraging the sum invested. Investors usually have to pay the full value of a conventional secu-

## Derivatives: responding to risk

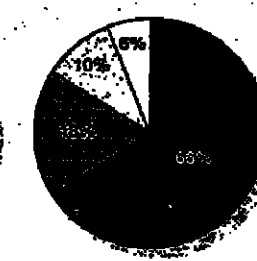
Does your company measure and limit market risk based on a value at risk approach?



Does your company perform stress simulations to measure how your risk management positions will be affected by abnormal changes in market or business conditions?



Has the board of directors reviewed and approved your firm's overall risk management and capital policies?



Source: Practices and Principles follow-up survey of industry practice, Group of Thirty. Based on a survey of 140 derivatives users

## Alarming instrument of financial change

**John Gapper and Richard Waters on corporate concerns over derivatives**

ity when they buy it. But most derivative contracts allow them only to pay money when the contracts show a loss, and receive it when they show a profit. This allows a fund to take much bigger positions with the same amount of capital.

However, investors do not have to use derivatives to leverage investments, as some recent cases of losses have shown. The paper loss of \$1.5bn on an \$80m investment fund reported last weekend by Orange County in California was initially suspected to have arisen from buying derivatives.

The loss forced the resignation of Mr Robert Citron, its treasurer, on Monday. In fact, Mr Citron used other forms of leverage, borrowing some \$12bn through securities repurchase agreements, and then buying a type of security that paid a higher investment return as interest rates fell.

The securities - known as "inverse floating rate notes" - share characteristics with derivatives, but are not in the same category. Mr Citron was taking leveraged investment risk without derivatives.

Such cases are used by bankers to argue that derivatives have been unfairly blamed for losses, since they are only one of several ways of making leveraged bets. Some boards of directors have been more worried about their treasurers adopting high-risk investment strategies than whether they use derivatives to do so.

A study by the Group of Thirty, a Washington-based group of senior bankers, this week found that managers are

now trying to monitor their treasury operations more closely. More now review risk management policies than 18 months ago, when the public debate over the use of derivatives started to grow. Others plan to implement stricter internal controls within the next year, as well as implementing fresh risk management guidelines.

But there is a second cause for unease, which applies most strongly to derivatives: that even treasurers of companies may not fully understand what risks they are taking. The G30 study found that only 8 per cent of users said they had adopted the "value at risk" method of calculating how much they stood to lose from market movements when buying derivatives - a method used by sophisticated traders to monitor their portfolios.

This notion has disturbing implications, for it may mean that even companies that think they are using derivatives for hedging purposes may find they are taking a much riskier leveraged bet on which the losses could be substantial. The issue will be at the heart of the legal action by Procter & Gamble over a \$300m leveraged interest rate swap it was sold

by Bankers Trust. The company argues that it was not given enough information to understand fully the product or the true risks involved.

If more users carried out complex tests on derivatives portfolios - such as "stress tests" showing price movements in conditions of market volatility - it would make it easier to avoid unwanted risks. Not all companies buying derivatives need do so. Some only buy a few, quite simple, products, which means it is unlikely to be worth their while trying to emulate the risk management models of the biggest banks.

But an obstacle for big users that want to improve their risk management is that they cannot get access to banks' privately developed software for valuing derivatives.

"If multinationals are hesitant, it is not lack of goodwill," says Mr Alexander von Ungern-Sternberg, an executive vice-president of Deutsche Bank. "They clearly want these tools, and I think it is something that will develop next year."

More information is becoming public. The bank J.P. Morgan has recently published a database of market volatility that it uses in its own risk models.

But few buyers can yet rival the sellers' expertise. Until they do, the latest rash of losses among fund managers and companies is likely to make them even more wary about trusting the word of derivatives dealers over whether they should buy the latest "perfect hedge".

## LETTERS TO THE EDITOR

Number One Southwark Bridge, London SE1 9HL

Fax 071 873 5938. Letters transmitted should be clearly typed and not hand written. Please set fax for fastest resolution

### Nothing unusual in BAe accounting policy

From Richard Laphorne.  
Sir, Many things concerned me about your article "VSEL's suitors fight a war of whispers" published on December 5.

In particular:  
● It is wrong to suggest that many substantial companies do not treat pension fund prepayments as assets.

I cite the following that do

so: Shell, BP, Glaxo, Marks and Spencer, Unilever, BTZ and GrandMet.

● It is wrong to suggest that many substantial companies do not treat assets undepreciated launch costs.  
Boeing, Rolls-Royce, Aerospace, Saab Scania, United Technologies, McDonnell Douglas and Fokker all carry forward such costs.

● It is wrong to suggest that there is anything unusual in the BAe treatment of capitalised rationalisation costs.

These items relate to expected costs in bringing to a suitable condition for development the development land stock owned by Arlington Securities. Our treatment is appropriate and expressly approved by SSAP 9 para.18 (c).

Your treatment of the above three points is not only incorrect, but taken as whole contains the extremely damaging implication that BAe's balance sheet assets are being inflated by means of questionable accounting policies.  
Richard Laphorne,  
Finance Director,  
British Aerospace,  
London SW1H 9RH

### Time to exercise vote on directors' positions

From S W Morel.  
Sir, The letter from Richard V Giordano, chairman of British Gas, (December 1) in defence of Mr Cedric Brown's salary increase, illustrates in admirable fashion the arrogance with which top British management treats both its shareholders and public alike.

As an average shareholder, a retired university science professor who worked overseas in poverty-stricken countries, I am expected to vote every year for the directors of the 30 large companies in which I have invested my savings.

In one year alone Mr Cedric Brown's salary rise is equivalent to a lifetime's savings and was "fixed" by a remuneration committee of gentlemen who

have joined the club of "you scratch my back and I'll scratch yours".

I no longer feel that I can vote for a government that taxes such salaries at only 40 per cent.

I now make a habit of putting a cross against the re-election of any director of the companies in which I invest unless their remuneration is reasonable, the company profitable and dividends adequate. And I advise fellow shareholders to use their votes in a similar fashion.

S W Morel,  
Granary Farm,  
Chichester Road,  
Broad Oak,  
Rye,  
East Sussex,  
TN31 6EU

### What should the ratio be of top to low wages?

From Mr Frank Blackaby.  
Sir, It is one of the curiosities of current economic debate that basic questions are no longer asked, for instance, how can we get a more sensible distribution of the labour input needed by a modern economy?

Why have recessions? Here is another current example - what spread of earnings is needed in a big company, from cleaner to chief executive, to provide adequate incentives? Is the ratio 1 to 30, 1 to 50, 1 to 100, or what? Does it have to keep moving up towards 1 to infinity?

It is a question which the incestuous remuneration committees of large companies never ask - incestuous, because the non-executive director of company A is likely

to be the chief executive of company B, so that anything which pushes up top salaries will be to his advantage when his turn comes round. All we have are highly selected comparisons usually with Americans, never with Japanese, where the spread from bottom to top is much smaller. Actually, high pay probably makes chief executives lazier - once they have bought their yachts, they have to spend time on them.

If there is to be a cabinet sub-committee on this question, perhaps one member of it might raise this simple basic question - what should the ratio be?

Frank Blackaby,  
9 Finsbury Road,  
London SW3 1LD

### Fat salaries for the big league players carry personal risks

From Ms Irene Innes.  
Sir, Regarding the 75 per cent pay increase to British Gas's chief executive, the reason why the increase is so high is that public-sector top management pay is so low in comparison with similar jobs elsewhere.

Even spreading the increase over three years would have provoked a public outcry. Attention is drawn because Cedric Brown is a long-serving employee.

Had someone been recruited

from outside, no one would have raised an eyebrow. It is therefore a one-off.

If, however, Mr Brown does not perform at the level his new salary demands then inbuilt penalties should be invoked. High salaries for big league players carry high personal risk.

Irene Innes,  
director,  
The Dorset Management Centre,  
Rowlands Hill,  
Dorset



### Two-board system could tackle contracts

From Peter McGregor.  
Sir, The Cadbury committee was supposed to have taken a good look at corporate governance in the UK.

But there still seems to be a good deal of free-floating anxiety on the part of shareholders, and especially institutional shareholders, about some issues, currently the length and nature of directors' contracts and the size of their salaries.

This is another matter which could be handled much more effectively if we had a continental-style two-board system, to which Cadbury paid inadequate attention.

The single board has few virtues and enables executive management to do what it wants.

It is time that shareholders had a more effective voice, as the Germans discovered when they introduced their two-board system in the last century.

Peter McGregor,  
Dacre Cottage,  
Lungworth,  
Oxfordshire,  
OX13 5HH

### The turkeys do not vote for Christmas

From Jean Currie.  
Sir, The chairman of British Gas will be aware that the remuneration of the boards of public companies has soared over the past 10 years, rising far more than the increase in the value of share capital or the remuneration of other valuable members of society.

The rise reflects the growth in power of financial institutions and the interrelationship between the two. Private individuals, not financial institutions, are the real shareholders of public companies.

I doubt whether many accept as necessary the current remunerations.

However, to obtain tax relief nearly all Peps and pensions have to be channelled through financial institutions and these take over the voting rights. The power of the institutions can be seen in their management fee: only 0.5 per cent to 0.75 per cent typically in the early 1970s, but, despite computerisation, nearer 1.5 per cent now.

To ensure genuine control of public companies, individuals

should be allowed to obtain the tax concessions from direct investments.

Also institutions, as trustees, should be required legally to be responsive to the views of the owners of funds.

Unless such steps are taken the boards will continue to take an increasing proportion of our wealth because, to end with a seasonal note, turkeys do not vote for Christmas.  
Jean Currie,  
20 Bateman St,  
Cambridge,  
CB2 1NB

### Dark deals at the borders

From Richard Isola.  
Sir, The chairman of the article "Drugs claim on Gibraltar border" (December 3-4), while the Spanish government's apparent concern about illicit smuggling into Spain is admirable, its own efforts to control a substantial black economy and, in particular, illegal money laundering activities via the

Franco-Spanish frontiers is shameful.

What is remarkable is the extent to which this activity has fuelled a mini-property boom in neighbouring Biarritz in the midst of a deep economic recession.

Richard Isola,  
General Arrando 28,  
28010 Madrid

### Proud of a little nightcap

From T.C. Hill.  
Sir, With reference to "Phantom extras on hotel bills" in your Letters column (December 1), it is not only when in Sofia that Ms Abdela needs to keep her wits about her.

Not so long ago after dining alone in a London West End hotel, I was presented with, but did not settle, a bill for the meal and 94 drinks.

I have to admit being flattered at their idea of my capacity.

T.C. Hill,  
55 Broome Road,  
Billericay,  
Essex,  
CM11 1ES

### Slow but sure progress on electricity liberalisation

From Mr Paul K Lyons.  
Sir, Your editorial on "Electricity grid-lock" (December 5) raises a number of interesting points, but fails to recognise that progress is being made after several years of stalemate. The two energy councils in 1994 have led to a positive and formal accord among member states on two of the three main parts of the electricity liberalisation directive.

On the third key area - competition in national markets - the Commission has already

tried to resist the French concept of the single buyer, as you suggest, since it was put forward earlier this year as an alternative to third party access. However, negotiations in the council on an internal electricity market have been so difficult, for all the reasons you mention, that the member states are anxious to find solutions, even if they are far from perfect.

At last week's energy council, they asked the Commission to look more carefully at the

anticipated consequences of the side-by-side application of third party access and the single buyer system. The Commission is therefore bound to make an objective study and report back to the council.

Your article also touches on the need for regulation and the possibility of an energy charter. There is a crucial point here about the UK government's position. The UK has argued forcibly for an internal energy market, yet has refused to countenance any new Union

competences in energy.

As the only member state more or less self-sufficient in energy resources, this stance may be all too clear. But how can the UK expect the Union to sign up to an open and liberal market in energy and not recognise the legitimate concerns of other member states to have some joint EU safeguards for security and stability of supply to customers?

Paul K Lyons,  
editor, EC Inform-Energy,  
London NW6 7LD

### Performance funding flaws

From Mr Ian Brown.  
Sir, Despite the enthusiasm voiced by Training and Enterprise Councils for greater performance-related funding for government schemes (The Budget "Tecs halt funding change as boost for unemployed", December 1) those organisations which actually deliver training for the unemployed are less convinced.

Performance-related funding is already set at 40 per cent for most such organisations. Those which support the most disadvantaged among the unemployed report that this system forces them to think increasingly selectively about who they can afford to take on. Tec's will no doubt insist that they now weight payments to take account of this. But their definition of "special needs"

can often be a narrow one.

Essentially, performance-related funding assumes the unemployed are making rational decisions in a rational labour market.

No allowance is made for trainees who fail an exam, for those who simply walk away before completing a course, or for the possibility that there simply may be no job vacancies at the end.

Training providers have to pay the price for this fantasy, knowing there is a perfectly justifiable case for paying them on the training weeks they deliver on behalf of Tec's.  
Ian Brown,  
enterprise & training officer,  
Scottish Council for Voluntary Organisations,  
18-19 Claremont Crescent,  
Edinburgh EH7 4QD

### Safe deposit for funds

From D R Myddelton.  
Sir, According to your report "Stock market bar to China pension funds" (December 1), the Chinese finance ministry is banning pension funds from investing in stock markets on the grounds that they are too risky.

Instead the government is stipulating that 80 per cent of pension funds should be spent on "safe instruments", namely treasury bonds.

I seem to remember a similar rule in this country after the war.

Unfortunately, due to currency devaluation, the real value of UK government securities fell by about 75 per cent in the 15 years between 1946 and 1961.

Quoted equities, in contrast, rose in real terms.

No doubt they meant well, but the fact remains that the interference of the gentlemen in Whitehall caused very large real losses to British pensioners.

I do hope these pensioners fare better.

I wonder if there's a lesson here? Government officials can always offer advice to people, and I'm sure it will be gratefully received.

Using the age-old maxim *caveat emptor* we can then choose for ourselves. But some of us don't like being told what to do.  
D.R. Myddelton,  
Professor of Finance and Accounting,  
Cranfield School of Management,  
Cranfield,  
Bedford MK43 0AL

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## FINANCIAL TIMES

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Wednesday December 7 1994

## Extending the EU eastwards

It is five years since the end of the Soviet empire in eastern Europe. But western Europe has still not recovered from the shock. Members of the European Union have been timid, where eastern Europeans have been heroic. Judged by the "pre-accession strategy" for the associated countries of central and eastern Europe to be discussed at the meeting of the European Council in Essen this week, the EU still fails to appreciate the urgency of the challenge.

This does not mean that the EU has done nothing. At the Copenhagen summit in 1993, the European Council "agreed that the associated countries in central and eastern Europe that so desire shall become members of the European Union. Accession will take place as soon as an associated country is able to assume the obligations of membership by satisfying the economic and political conditions required." In addition, the "Europe Agreements" have committed the EU to industrial free trade with Bulgaria, the Czech Republic, Hungary, Poland, Romania and Slovakia. Slovenia and the Baltic republics are expected to join this soon.

Yet this is insufficient either to provide adequate encouragement to reform in eastern Europe now, or to ensure a smooth transition to membership of the EU later on. The fundamental failure has been an unwillingness to recognise what is at stake. The mission of the EU is neither to protect European farmers, nor to succour European steel mills, nor to transfer the odd tens of billions of Ecu from rich members to poorer ones. It is to integrate Europe. The fall of the Soviet empire was not an annoying interruption, but what made this feasible at last.

The enlargement of Nato is, happily, a side issue. Extension of the opportunities afforded by a prosperous market economy will integrate and stabilise the two halves of divided Europe, as it once did the divided and impoverished west. This task is not similar to the challenge posed by north Africa, partly because these countries will never join the EU.

## Free trade

The EU should start by providing industrial free trade to eastern Europe now. If EU competition policy is adopted by these countries, it should also eschew anti-dumping and other forms of contingent protection. And it should insist that liberalisation by these partners towards the EU be extended, automatically, to one

## Working in the EU

It is regrettable that the UK employment minister, Mr Michael Portillo, opted for a display of anti-British theatrics at yesterday's meeting of European Union social affairs ministers in Brussels. The UK government's suspicion of the old-style EU social agenda was usually justifiable. But much of the debate in Europe has now moved on. Mr Portillo would make a more valuable contribution to EU employment policy if he moved with it.

Britain had been widely expected to block the two directives debated yesterday, one enforcing equal rights for part-time workers, the other proposing equal treatment of workers posted to other countries. In the event, Mr Portillo only needed to veto the first, since the other requires re-drafting, but this is unlikely to change the UK's position.

Both directives represent the last gasps of the aggressive social action programme drawn up five years ago by the then European commissioner for social affairs, Mr Vasso Papanastasiou. It was that long list of measures that led the UK to argue for the right to "opt out" of the social chapter of the 1991 Maastricht treaty, and Mr Portillo could justifiably use many of the UK's traditional arguments for exercising a veto.

Mr Portillo viewed the other talking-point of the meeting, a further set of German-sponsored proposals, as a sign of more to come. But these are the fruit of a visibly softened attitude to employment legislation in Brussels. Mr Portillo ought to question whether the UK's past objections still have the same force.

## Subsidiarity

Traditionally, the UK's opposition rested on three planks. The first was a principled objection, on grounds of subsidiarity, to European legislation which went beyond the broadly uncontroversial desire to secure a basic framework of rights for all EU workers, and enhance labour mobility within the single market.

another, in order to avoid the emergence of a discriminatory "hub-and-spoke" relationship. Eastern Europeans need secure market access if they are to attract more foreign direct investment. For this reason, they must be protected from EU contingent protection, particularly since their exports are concentrated in "sensitive sectors". The EU should remember that in 1992, it enjoyed a surplus of \$130m in manufactures with eastern Europe and the former Soviet Union. Total imports of manufactures from all these countries were less than 60 per cent of imports from Switzerland alone. The terror felt by EU member states - demonstrated by the fact that the Europe Agreements contain seven safeguard clauses - is pathological.

## Preconditions

The second requirement is a statement of the preconditions for accession, particularly of how and when the candidate states are to apply the *acquis communautaire*. Those preconditions should not, as the statement from leading European economists published today by London's Centre for Economic Policy Research rightly argues, include conditions EU members themselves do not meet.

The third - and most difficult - requirement is to change the EU. A study by Prof Richard Baldwin for the CEPR concluded that by the end of the century the net budgetary cost of enlargement might be 70 per cent of the planned budget. This may be an exaggeration. But it would still be less than 1 per cent of the EU's total GDP. What is needed is cuts in spending, particularly on agriculture (perhaps by nationalising most compensation payments) and some increase in revenue.

Whatever happens in the meantime, accession negotiations should be started directly after the inter-governmental conference in 1996. Even if those negotiations were completed swiftly, there would, no doubt, be a lengthy and well-defined period of transition. Such a period is precisely what is needed by both sides. Why should the most advanced countries not have finished that transition by 2005? Sixteen years from the end of communism to the first full membership does not seem unduly hasty.

The EU is a creature of timetables. It should commit itself now to a date for opening membership negotiations, along with a statement of what will need to happen if they are to be concluded satisfactorily.

A second, and in many cases, underlying objection was more substantive: the Continental quasi-corporatist model of employment policy implicit in several directives was at odds with the deregulatory emphasis of Conservative policy in this area. Finally, and with some justification, British ministers would accuse fellow European ministers of using EU social policy proposals to pursue essentially domestic political ends.

## Politicking

There was certainly a fair amount of domestic politicking behind yesterday's discussions. German part-time workers already enjoy most of the rights included in the directive. The German government's enthusiasm yesterday for pressing ahead with the legislation owes much to a desire to trumpet the virtues of part-time work at home. Similarly, France was backing the posted-workers directive strongly, since it has just passed similar legislation at home, and wishes to avoid a legal proceeding against it on competition grounds.

Mr Portillo was not averse yesterday to winning some domestic political points of his own by opposing Germany's further policy suggestions. In truth, however, the longstanding German wish-list - for EU-wide worker protection against unfair dismissal, for example - is tame by comparison with the early Delors agenda.

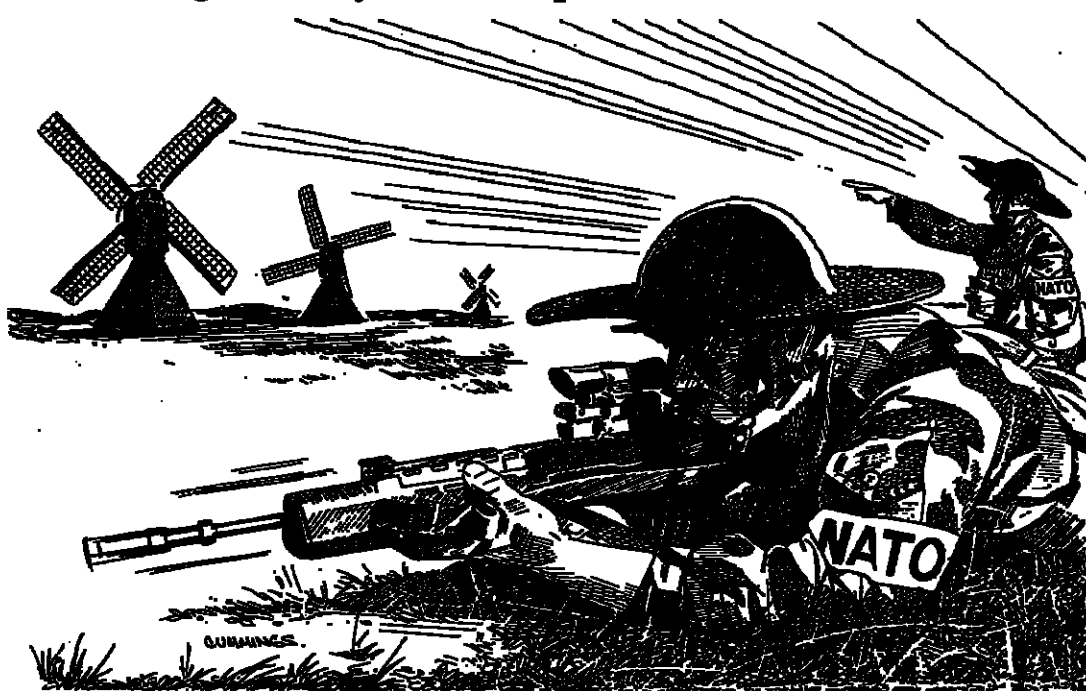
Both the principle and the substance of the European Commission's thinking on social policy has changed substantially over the past two years. The UK ought to work to influence the new model of employment policy that is currently being forged, helping to tilt it further towards job creation and towards allowing scope for different countries to experiment with different regulatory and other safeguards. Many on the continent are already moving in this direction. Mr Portillo could push them further by cultivating a less bombastic, case by case, approach to the debate.



Edward Mortimer

## In search of an enemy

Nato has been unable to resolve its identity crisis, brought on by the collapse of the Soviet Union



Nato is in trouble. It is divided over Bosnia, but that is not the reason. If there had not been Bosnia, there would have been something else. Nato is in trouble because it no longer knows what it is for.

The west cannot say it was not warned. Back in 1987 it was told by Mr Georgy Arbatov, the Soviet Union's top Americanologist, "we have a 'secret weapon' that will work almost regardless of the American response - we would deprive America of 'The Enemy'". The end of the Soviet Union in 1991 fulfilled that prediction well beyond its author's expectations.

Technically, a defensive alliance has no need of an identified enemy, and indeed you will search the text of the North Atlantic treaty in vain for any mention of the Soviet Union. On paper, it is simply an agreement by a group of like-minded nations to come to each other's assistance if attacked, irrespective of the attacker. But no one in 1949, or for most of the ensuing 40 years, was in doubt where any attack would come from.

So the disappearance of the Soviet Union and the withdrawal of Russian troops from central Europe have left western policymakers floundering to explain what the purpose of the alliance now is. Nato is no longer manning a frontline on the Elbe, which is now simply a river in the middle of one of its members.

The problem was already apparent in July 1990, when Nato leaders gathered in London to state solemnly that they no longer regarded the members of the Warsaw Pact as adversaries.

At the Rome summit of November 1991, Nato unveiled its "new strategic concept", in which it assigned to itself four core security functions: "To provide one of the indispensable foundations for a stable security environment in Europe."

"To serve... as a transatlantic forum for allied consultations."

"To deter and defend any threat of aggression against the territory of any Nato member state."

"To preserve the strategic balance within Europe."

The lack of a clear direction was obvious. Only the third function has any concrete meaning, and that left it deliberately unclear against whom or what such deterrence and defence were now required.

The other three are classic communique-speak. "Strategic balance" is a meaningless concept unless one defines the forces that need to be balanced; while to define an alliance as a forum for allied consultations is tautological. A "stable security environment" could mean anything or nothing.

Probably it was intended to mean

that Nato, by its very existence, provides a degree of security to others in Europe, and notably in central and eastern Europe, besides its own members. But that half-promise is also the fear that Germany might one day revert to expansionism.

Both types of problem are acute in the former Soviet Union, where they overlap, since concern for ethnic Russians in the other republics is one of the main motives or pretexts for the reassertion of Russian influence. The ethnic problem is also acute in the western Balkans, but appears to be under control in Bulgaria. The situation of the Hun-

garian minorities in Romania and Slovakia is a potential source of trouble, but there seems little likelihood of that trouble taking a military form. In Poland and the Czech Republic there are no ethnic problems to speak of. And the Russian threat to central Europe, while still a vivid memory, has become fairly remote.

If that threat were to become less remote, Nato is probably still capable of deterring it. There is a plausible argument that the four "Visegrad states" - Poland, Hungary, the Czech Republic and Slovakia - should be admitted to Nato before the Russian threat reappears. This is unlikely to happen, however, for two reasons: it would be foolish to push the Russians gratuitously into a threatening attitude; and it would be even more foolish to draw a line that implicitly leaves some states such as Ukraine and the Baltics outside, for the Russians to do with as they please.

Those reasons were eloquently explained by the Clinton adminis-

tration before and during last January's Nato summit, which carefully fudged the issue by producing the so-called "Partnership for Peace" programme, under which all east European states, including Russia, are encouraged to co-operate with Nato, with no overt discrimination between them. So European governments have been bemused in the past few weeks to find that same administration staging a confrontation with Russia, by announcing plans to speed up Nato enlargement. Although President Bill Clinton said on Monday that "Nato will not automatically exclude any nation from joining", the Russians know that early enlargement would not include them.

Mr Clinton's aim, presumably, is to distract attention from the row over Bosnia, and to provide the newly powerful Republican right with a rationale for carrying on with Nato that is likely to appeal to them.

The trouble with this strategy, if such it can be called, is twofold:

early enlargement would be offered only to those central European states that need it least; and any attempt to revive the Russian threat as Nato's *raison d'être*, so long as the threat is not unmistakable, is more likely to divide the alliance than to unite it. West European governments can already be heard expressing caution, which will no doubt leave the Republican right even more disgusted with Nato than it already is.

Of course, we should not be in that situation if Nato had shown itself able to deal with the other problem, that of ethnic conflict. But it has not. That is not a criticism of Nato as an organisation: Nato, like the UN, is a composite body which can only do what its member states will it to do.

At the beginning of the Yugoslav conflict, there was a consensus that Nato had no role to play. It was, initially, an internal conflict in a non-member state. With the recognition of the successor states in early 1992, it became an international conflict, but the element of Serbian aggression was almost impossible to disentangle from the conflict among Bosnian citizens.

Anyway, Nato has no mandate to defend non-members against each other. That is properly a matter for the UN, and it was only in an attempt to enforce UN resolutions that Nato did get involved in Bosnia, in support of a UN force furnished partly by Nato members.

Unfortunately the mandate of the UN force was a hopeless mishmash of enforcement and peacekeeping. The peacekeeping role dictated a troop deployment that makes serious enforcement impossible, since UN soldiers are effectively hostages in the hands of the "enemy" against which enforcement action would be taken. But that difficulty has only masked an even more awkward question: whether collective security can be made effective in this kind of conflict without deploying ground troops in a combat role.

The US argument has been that Nato air power, combined with arms supplies, would redress the balance of forces against the aggressor and in favour of the victim. That may or may not be right, but in either case it falls far short of the commitment that Nato makes to the defence of its own members.

The fact is that none of Nato's members can be made inactive in this kind of conflict without deploying ground troops in a combat role. The US argument has been that Nato air power, combined with arms supplies, would redress the balance of forces against the aggressor and in favour of the victim. That may or may not be right, but in either case it falls far short of the commitment that Nato makes to the defence of its own members.

Until they do perceive such a threat, the alliance will remain ineffective, and confidence in it will continue to ebb on both sides of the Atlantic.

## The UK's nuclear levy, a redundant tax, should be allowed to lapse, argues David Lascelles

## A nice little earner

A little-noticed aspect of the review that the UK government is currently conducting of the nuclear power industry concerns the so-called nuclear levy.

This surcharge on electricity bills for decommissioning old nuclear power stations, which brings in £1.2m a year, is supposed to expire in 1998. But it is hard to see the Treasury - or any of the other potential beneficiaries - allowing such a nice little earner to lapse without a struggle.

The levy was introduced when the government created Nuclear Electric to own and run nuclear power stations in England and Wales in 1989. It gave the company responsibility for decommissioning them, but not enough money to pay for the job. Instead, it instituted a temporary levy on electricity bills to raise £2.5m over 10 years. The levy is set each year by the electricity industry regulator and is currently 10 per cent, but because receipts are behind schedule it may have to be raised next year.

(This means, incidentally, that when the government introduced value added tax on home energy bills earlier this year, it began to

tax the levy as well - a clever way of compounding tax revenues. If VAT goes up to 17.5 per cent next April, VAT revenues attributable to the levy will be more than £200m.)

Although the levy is supposed to end in 1998, it is questionable whether any government - Conservative or Labour - will allow this handy form of taxation to lapse. Even if Nuclear Electric's need for it were to disappear, there are would be those arguing against cancelling the levy itself.

Imagine for a moment what would happen if the levy was cancelled, they would say. Straightaway, electricity bills would fall by more than 10 per cent. While that may seem a good thing, the present government is committed to pushing the cost of energy up - not down - to curb demand and reduce the environmental impact of power generation.

And, in any case, underlying electricity prices are falling as the benefits of privatisation finally begin to work their way through. So there is

actually a case for saying that taxation of energy bills should not merely be preserved but increased to support the objectives of current policy.

But though the environmental case for propping up energy prices is strong, that is not the reason why

Although the levy ends in 1998, it is questionable whether any government will allow it to disappear

the Treasury may want to keep the levy. Here, after all, is a revenue-raising measure that is in place, that is collected automatically and that people will notice only if it disappears.

For those who would retain the levy after 1998, the only point for discussion is whether the proceeds should in future be fed straight into the Treasury's coffers or whether,

being a specific revenue measure, they should be spent on a specific cause.

The latter course is the one currently generating the greatest interest. Already the would-be recipients include the renewable energy lobby, which wants more subsidies for wind farms and landfill gas projects, and the coal-fired power generators, which want help to clean up dirty stations.

There is also the ill-starred Energy Saving Trust that was supposed to be spearheading the government's campaign against energy waste. It has so far been short of funds because of the refusal of gas and electricity regulators to authorise even more levies on home energy bills to pay for it.

The argument over the future of the levy is therefore likely to provide the unifying spectacle of government struggling to justify preserving a redundant tax.

We shall be treated to sonorous warnings from the Department of the Environment on the need for

greater energy efficiency. Junior Treasury ministers will talk of the extraordinary difficulty (for technical reasons) of cancelling a taxation measure. The Department of Trade and Industry will highlight the business opportunities that should arise from whatever new use the levy proceeds are put to. All this will be said with a straight face. But no one will be fooled. Governments do not readily cut taxes, even though that is precisely what they should do in this case.

The only sensible course is to allow the levy to lapse. The Treasury does not currently budget for the proceeds, and a firm statement of intent now would make it harder for this or a future chancellor to start factoring them into his revenue calculations.

True, energy prices would fall, and that would encourage waste. But one of the main purposes of electricity and gas privatisation was to bring down energy costs and benefit the economy at large.

If broader policy requires energy prices to be raised, this should be done through plain and open taxation, rather than by a residual measure that was created for a wholly different purpose.

## Dithering decisively

European Commission president Jacques Delors has finally revealed that he has made up his mind whether to run for the French presidency. Trouble is, he failed to divulge the nature of his decision.

Tantalised Delorsologists fell a single one cryptic statement. It was suggested he might feel he was betraying the French left by failing to stand, to which Delors replied: "I have always done my duty... it's an eminently personal decision that depends only on my own conscience."

No one could agree what that meant. For some, the reference to "duty" meant that he would run; he has already said that, if he made a bid for the Elysee, it would be "out of duty". Others hoped in on the word "personal" - a telling reference, they felt, to the family implications for a 69-year-old of a seven-year commitment after a gruelling decade running Europe.

Some of Delors' closest advisers remain convinced he will not run. But Delors' widening lead in the opinion polls over potential Gaullist rivals like Jacques Chirac and Edouard Balladur clearly puts increasing pressure on him to throw his hat in the ring. So when will he put the pounds out of their misery? Well, he is due to appear on French prime-time TV on Sunday. Until then, they will have to

content themselves with feeding on the most substantial indicator of presidential intent so far. Last Friday, when visiting the Elysee, Delors eschewed his usual foreign-made car for a Renault.

## Acorns and oaks

Not many places you can get 10 per cent interest on as little as a fivepence. Of course, there's a catch. The myriad hoarders of small sums in glass jars and bedroom drawers around the Irish Republic have created a shortage of small coins. Which is apparently a serious business over the hectic Christmas period. So the short-changed banks are now offering a 10 per cent bonny for one and two pence coins, combined and bagged and with a minimum value of £5. Canny leprechauns should start collecting now - for Christmas 1995...

## Gogol-eyed

Some light relief at last for Russian TV viewers less than wholly addicted to a gruesome Saturday evening series entitled *Catastrophes of the Week*, an undiluted diet of terrible accidents and human tragedies. The bright spot is New Year's eve, when the schedule promises a Russian version of the UK programme *Spitting Image* and its rubber puppets created to demolish the publicly pompous. Called *Kukly*

## OBSERVER



"We must have something more common than never having used a Mercury phone booth"

Puppets - the show will constitute a reprise of 1994, with star turns from the likes of Viktor Geraschenko, hapless former governor of the central bank axed after October's rouble crisis. The mayor of Moscow, Yuri Luzhkov, is also promised an outing. With his attachment to undertaking forays into the city's sewage system, he must be a parodist's gift.

## Tall order

John Major's ministers cast around for ways in which a Conservative government can curb

"unjustified" pay awards without being made to look too foolish. Meanwhile, an ad appears in the national press for the first time for a Whitehall vacancy at permanent secretary level (in this instance at the Department of Employment), illustrating a rather different problem. Who do Michael Portillo and others expect to find to manage "a programme and administrative expenditure totalling £4.6m and 58,000 staff" at a salary of just £95,000 "subject to review"?

While the analogy of a top civil servant with the chief executive of a public company may be less than complete, the ad states that the successful candidate "will have worked at (or near) the top of a large private or public sector organisation". Hence the relevance of the order of remuneration of, say, Tony Greener, chairman of Guinness: turnover in 1993, £4.65bn (though staff of only just over 33,000); remuneration £648,000.

## Model man

So Patrick Minford is back in favour. Margaret Thatcher's erstwhile economics mentor is not only well dug in as a member of the Treasury's panel of economic advisers, but is now poised to receive £120,000 of government money to help out over the next four years with his economic modelling activities. Minford, who caught the Iron Lady's eye in the 1970s with his

theories about free-market economics, was summarily dropped from the Economic and Social Research Council's funding list in 1990. He began to fret that his ideas were, well, insufficiently appreciated by the mainstream.

Not that he is letting this new-found largesse go to his head. The money will be put to reasonably eccentric use - for one thing, towards hooking up with a Cray supercomputer at the government's Rutherford Appleton Laboratory in Oxfordshire.

Undeterred by the fact that such machines are normally the preserve of nuclear scientists or aircraft engineers rather than of practitioners of the dismal science, Minford reckons he can harness their massive power to figure out knotty little problems of trade flows and the role of markets in the world economy. He's even christened his baby in suitably user-unfriendly terms. Roll on the "computable general equilibrium model".

## Acidic

Uncharitable suggestion from derivatives buff yesterday. Californian taxpayers living in the area south of Los Angeles and who are staring at \$1.5bn plus of losses on the region's investment portfolio as a result of dealings by one Robert Citron - the treasurer who quit at the beginning of the week - might care to rename their domicile Lemon County.



## Query over £61m grant to Taiwan company

# Brussels to re-examine UK aid for textile plant

By Emma Tucker in Brussels

The European Commission is to re-examine its approval this year of a £61m (£94.5m) UK government grant for a textiles plant to be built by Hualon of Taiwan in Belfast, Northern Ireland.

It suspects information it received from UK authorities was inaccurate. Mr Karel Van Miert, the competition commissioner, will write to the UK Department of Trade and Industry, asking it to clarify evidence given by the government about the project and its likely impact on the European textiles market.

Commission officials said if the department failed to provide satisfactory answers, the case would be reopened. That might lead to Brussels prohibiting the grant and ordering the government to recover any money paid to Hualon.

The Commission approved the subsidy to Hualon, one of

Taiwan's biggest industrial groups, in May, after intense lobbying by UK ministers. They were supported by Mr Jacques Delors, outgoing president of the European Commission, in the interests of underpinning the Northern Ireland peace process.

Brussels accepted the UK government's arguments that the plant would not disrupt the European textiles market in that it would supply synthetic fibre to low-cost clothing manufacturers in Europe, and that its output would substitute for imports from outside the European Union.

However, Mr Van Miert is now seeking further assurances that the plant will not add to excess capacity in the European textiles industry by producing high-quality products that will undercut existing manufacturers and create unemployment.

"At the time [of the approval] we were convinced that production was at the lower end of the

market. But some doubt has come up and now we want reassurances. If not, we will have to look into the files," said a senior commission official yesterday.

Last week, European textiles and clothing manufacturers challenged the Commission's decision in the European Court. They argue that the £157m plant will threaten jobs in an already over-supplied sector.

Britain has long prided itself on a rigorous application of EU competition rules and regularly complains when state aids in steel and the airline industry are handed out in other member states.

The timing of Mr Van Miert's re-examination is doubly sensitive, as the UK government is expected to win at least £250m in special EU aid to Northern Ireland at this week's European Council in Essen. Next week, it hosts an international conference in Northern Ireland, to attract investment to the region.

## Britain vetoes EU part-time workers' protection

By Robert Taylor in Brussels

Mr Michael Portillo, Britain's employment secretary, yesterday vetoed a diluted European Union draft directive that would have provided protection for part-time workers.

His decision, at the EU's social affairs council, annoyed ministerial colleagues from the other 11 member states who had thought the UK would agree to a compromise.

The proposal will now be re-written by the European Commission and will be much tougher than the watered-down version rejected by Britain. The final directive will be presented early next year to employers and trade unions to see whether they can agree details. If this fails, the EU member governments - without the UK - are expected to agree on a directive on part-time workers, which will then come into force.

Mr Padraig Flynn, the EU social affairs commissioner, said he was "disappointed", adding: "I thought what we were proposing was a bare bones minimum measure but even then the UK maintained a negative approach".

The social affairs council meeting was also unable to agree a draft directive covering posted workers. Britain was again strongly opposed, together with a number of other countries, notably Portugal, Greece and Italy.

The measure is designed to ensure that companies carrying out contracts in member states other than their own have to pay their employees at the rates of the host country.

Doubts were raised about the scope of the directive, what issues it should cover and whether it applied to workers employed for less than one week.

Mr Flynn said he hoped there would be an agreement on a posted worker directive on December 21 when the ministers are due to meet again.

"I believe there is a willingness to compromise on all sides over this measure," he said. "It is about extending the free market in services and not part of any social chapter."

Mr Portillo was also alone in rejecting the German proposal pressing for greater economic and social convergence through the creation of minimum labour standards.

However, he said he was "encouraged" by remarks to the council from European Commission president Mr Jacques Delors, who stressed the importance of improving European competitiveness and the need for greater exchange of information, as well as a voluntary approach to dealing with social issues rather than legislation.

"Mr Delors' tone was distinctly excellent," added Mr Portillo.

Editorial Comment, Page 15

## THE LEX COLUMN

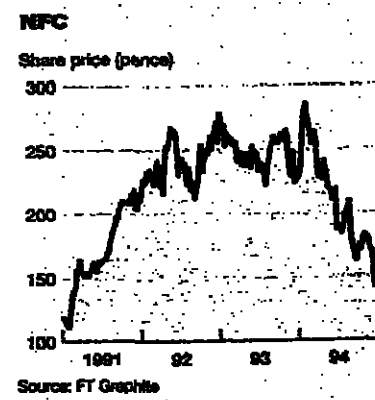
# Dresdner's trading enigma

Dresdner Bank's DM301m (\$202m) losses on own-account trading in the first 10 months came as a nasty surprise. The bank made a small profit on trading in the first half of the year and a sudden deterioration in the following months was not expected.

The bank tried to dismiss the loss as an accounting issue, but its explanations served to raise more questions than they answered. The same transactions which gave rise to the bulk of the unrealised trading loss also gave rise to interest income, the main reason for the buoyant 9.4 per cent increase in interest surplus. It was comforting that the interest income was bigger than the trading loss. But investors have not been told about the nature of the transactions. They arose in a derivatives subsidiary. The hope must be that the book losses reported yesterday will be reversed when market conditions improve.

Trading losses apart, the 38 per cent decline in provisions for bad and doubtful debts is an encouraging sign. Recovery in the German economy shows through earlier here than in the mainstream lending business. As lending picks up and provisions drop further, it looks increasingly likely that German bank profits will next year match or exceed the record levels of 1993. Reflecting this, shares in both Dresdner and Deutsche Bank have outperformed the market in the last four months - but Dresdner has outpaced its bigger rival. The enigma over Dresdner's trading losses may provide an excuse for investors to switch to Deutsche.

FT-SE Index: 3016.1 (-17.4)



Source: FT Graphix

they are assuming. The final responsibility for judging whether products are suitable rests with the clients, which is as things should be. If there is a case for more action, it is in pushing the disclosure principle further down the line. Companies and institutional investors could disclose to their ultimate beneficiaries the risks they are assuming. If the likes of Orange County and Procter & Gamble had to reveal to taxpayers and shareholders exactly what they were investing in, they might think more carefully whether leveraged products really suited their needs.

## NFC

The market has lost its patience with NFC. The stock was supposed to be a recovery play. Yet with its main markets out of recession, year-on-year operating profits in the fourth quarter dropped 23 per cent. Particularly worrying was the continental European operations' plunge into loss. This was where NFC was supposed to generate its future expansion.

NFC's underlying businesses appear to be in trouble: lower growth rates, better organised competition, and increasingly price-conscious customers are undermining the economics of the group's operations. Management has not reacted fast enough to the new environment. Costs need to be cut sharply if NFC is to compete with low-overhead competitors. It also needs to focus on its core expertise, disposing of the low-margin BRS truck rental business and Lynx parcel service.

Apart from Eurotunnel, NFC has been the transport sector's worst performing stock this year, down 48 per

cent from its peak. The shares are unlikely to go much lower given the 8 per cent yield. But the group is not bid-proof: its employees' double voting rights provide less protection than before, given they now command only 11 per cent of the shares. Nor do its customers' contracts, which permit renegotiation if NFC has new owners, provide an insurmountable barrier. The new chairman and his soon-to-be appointed chief executive cannot afford to add to NFC's mistakes.

## Siebel

Siebel has been promising organic growth for some time. Yesterday it produced some. The controls group has yet to reach its target of increasing sales from existing operations by 10 per cent. But organic growth in the half year to end-September was 7.2 per cent and orders were up 13.4 per cent - meaning Siebel should achieve its goal for the second half. Operating margins were slightly up despite low margins at some recently acquired companies. In time, these should rise towards Siebel's 14 per cent average.

The strength of Siebel's business is shown by its return on net assets which has moved over 28 per cent. The group benefits from operating in markets which are growing fairly quickly but which are protected by high barriers to entry. Siebel's high level of research and capital spending should enable it to increase its market share steadily without suffering an erosion of margins.

With annual cash flow of about £100m and gearing at the half year down to 19 per cent, Siebel is well-placed to keep up a steady flow of infill acquisitions. So far, it has shown itself adept at integrating new purchases. If Siebel also confirms in coming months its capacity to grow organically, its shares will deserve more than the slight market premium on which they now trade.

## PaineWebber

Yesterday Lex incorrectly stated that PaineWebber was jettisoning Kidder Peabody's Tokyo office and stock exchange membership, and dismantling its mortgage-backed bond portfolio. In fact, when PaineWebber agreed to acquire certain assets of Kidder Peabody, it had the option to acquire the Tokyo operations but elected not to. The mortgage-backed portfolio was never part of the asset-purchase agreement.

## Matsushita managers face merit shake-up over bonuses

By Michio Nakamoto in Tokyo

Hard-pressed managers at Matsushita, the consumer electronics group, are having to face a change in a once honourable tradition - annual bonuses are no longer to be based on years of service but on performance.

About 11,000 Matsushita managers opened envelopes containing the details of their bonus packet to find a sum rather different from what they had come to expect.

With the new system, complacent managers who have almost always seen their bonuses rise with their years of service may find they receive as much as ¥1.5m (\$15,600) less than that paid to the best performers.

On the other hand, ambitious younger managers are supposed to find that lack of seniority is no longer a barrier to financial reward.

"The new system could boost the morale of younger managers," a Matsushita official said optimistically.

The company's decision to relate bonuses, which comprise roughly half a manager's annual pay, to performance represents a significant departure from traditional Japanese management practice, which values loyal service over real performance.

As Japan's economic growth has slowed and the country sees itself going through an industrial transition, company executives have been calling for a review of traditional employment practices, such as lifetime employment and seniority-based pay.

Those practices were formerly considered inviolable by large blue-chip companies but are now seen increasingly as an obstacle to competitiveness and the structural adjustments the country needs.

Matsushita is not the first large

Japanese company to adopt a pay system that ties employees' remuneration to performance, but its decision is expected to have a significant influence on other large companies.

The company is considered a symbol of Japanese business conservatism and is a wage trendsetter in the electronics industry.

For Matsushita, which has grown over the years into a large and unwieldy corporation, the measure is part of an effort to improve profitability through a three-year restructuring programme.

Mr Yoichi Morishita, the company's president, has stated his intention to raise its ratio of operating profits to sales from 2.6 per cent to 5 per cent by the end of fiscal 1996.

To soften the blow of the new system, however, the company still retains the seniority system in annual salaries paid to managers.

## Milan magistrate quits corruption probe

Continued from Page 1

letter to Mr Francesco Saverio Borrelli, the chief Milan public prosecutor, who has co-ordinated the past 2½ years of corruption investigations.

Mr Borrelli subsequently confirmed the resignation, suggesting that Mr Di Pietro was unlikely to change his mind. The Milan public prosecutor also gave a strong political twist to Mr Di Pietro's move, attacking the government for mounting a campaign of hostility against the

magistrature and warning that the investigations into corruption would continue.

In his letter Mr Di Pietro placed more emphasis on his exasperation over the high-profile role he had been forced to play. "Whatever I do, my duties as a magistrate seem to be interpreted as a personal competition," he said.

"I refer in particular to the numerous recent demonstrations in the piazzas which, whether for or against the group [of anti-corruption magistrates], have

viciously personalised my role to a point where my each and every judicial action is interpreted for or against someone."

Behind the letter lay a growing anger over the way in which Mr Di Pietro felt his hands were being tied.

Since September, the Milan magistrates' investigations into the Fininvest business empire of Mr Berlusconi have become increasingly sensitive, and the government has turned correspondingly hostile in its attacks on the magistrature.

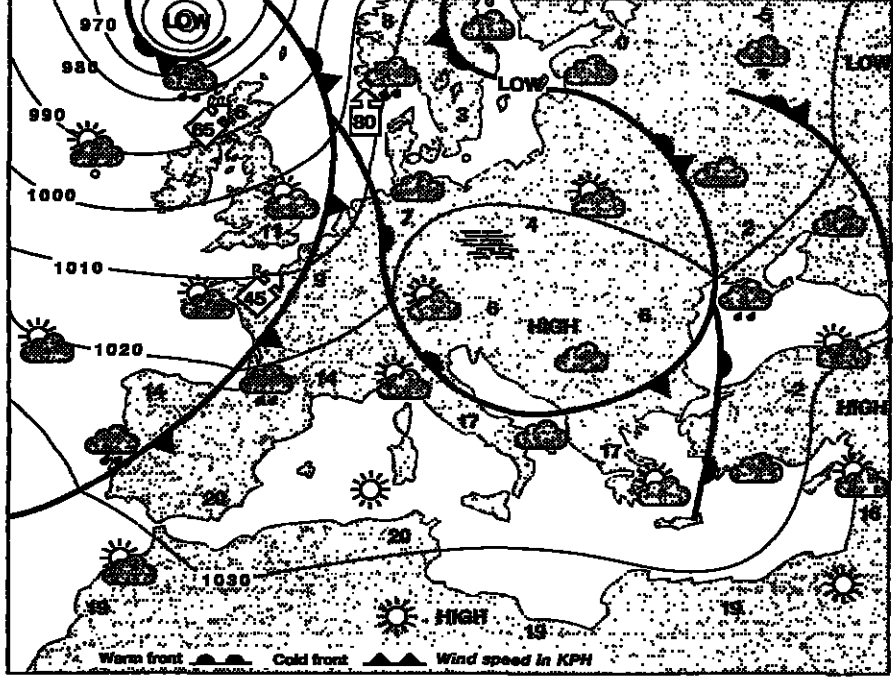
## FT WEATHER GUIDE

### Europe today

An active frontal system will probably cause gale force winds over the North Sea which will affect the coasts of The Netherlands, Denmark and southern Norway. Rain will spread over the Low Countries, France and Spain, while southern Norway will have plenty of coastal rain turning to sleet and snow inland. Eastern France, Germany, Poland and the Alps will start frosty with local fog. Sunny spells will develop but cloud will thicken as rain approaches from the west. Showers with sleet, hail and thunder will enter north-west Ireland and western parts of Great Britain. Eastern England will have sunny spells and a few showers.

### Five-day forecast

The next few days will be unsettled. A new Atlantic depression will reach Scotland on Thursday causing storms along the western coasts of Ireland and Great Britain. A cold front will track slowly over western France and the Low Countries on Friday accompanied by rain. Another depression is expected to move east over the Mediterranean on Thursday causing showers in Italy and snow in the southern Alps.



### TODAY'S TEMPERATURES

|           |         |        |    |
|-----------|---------|--------|----|
| Maximum   | Belgium | fair   | 10 |
| Minimum   | Belgium | thund  | 8  |
| Abu Dhabi | 23      | cloudy | 8  |
| Acara     | 32      | sun    | 5  |
| Algiers   | 21      | sun    | 24 |
| Amsterdam | 8       | sun    | 21 |
| Athens    | 18      | sun    | 32 |
| Atlanta   | 21      | sun    | 10 |
| B. Aires  | 27      | sun    | 3  |
| Bahran    | 9       | sun    | 5  |
| Bangkok   | 28      | sun    | 19 |
| Barcelona | 16      | sun    | 28 |

### Situation at 12 GMT. Temperatures maximum for day. Forecasts by Meteo Consult of the Netherlands

|             |    |              |        |     |              |        |     |              |        |     |
|-------------|----|--------------|--------|-----|--------------|--------|-----|--------------|--------|-----|
| Caracas     | 30 | Faro         | rain   | 19  | Madrid       | drizz  | 11  | Rangoon      | fair   | 32  |
| Cardiff     | 10 | Frankfurt    | sun    | 10  | Malta        | sun    | 18  | Reykjavik    | sleet  | 3   |
| Castellana  | 19 | Geneva       | sun    | 19  | Manila       | sun    | 19  | Rio          | show   | 30  |
| Chicago     | 1  | Glasgow      | sun    | 1   | Moscow       | sun    | 8   | Rome         | sun    | 17  |
| Cologne     | 9  | Hamburg      | sun    | 9   | Mumbai       | sun    | 31  | S. Francisco | cloudy | 11  |
| Dakar       | 27 | Helsinki     | sun    | 27  | Medbourne    | show   | 30  | Seoul        | sun    | 10  |
| Dallas      | 25 | Hong Kong    | cloudy | 25  | Miami        | sun    | 28  | Stockholm    | sun    | 11  |
| Delhi       | 28 | London       | sun    | 28  | Montreal     | sun    | 28  | Strasbourg   | sun    | 2   |
| Dubai       | 24 | Los Angeles  | sun    | 24  | Munich       | sun    | 28  | Sydney       | sun    | 26  |
| Dublin      | 7  | Madrid       | sun    | 7   | Nairobi      | sun    | 25  | Taipei       | sun    | 14  |
| Edinburgh   | 16 | Manila       | sun    | 16  | Nassau       | sun    | 25  | Toronto      | cloudy | -1  |
| Geneva      | 10 | Medbourne    | show   | 10  | Nice         | sun    | 22  | Vancouver    | sun    | 3   |
| Havana      | 28 | Miami        | sun    | 28  | Paris        | sun    | 14  | Venice       | drizz  | 10  |
| Jersey      | 13 | Montreal     | sun    | 13  | Perth        | sun    | 15  | Vienna       | sun    | 2   |
| Karachi     | 31 | Munich       | sun    | 31  | Prague       | sun    | 11  | Warsaw       | cloudy | 4   |
| Kuwait      | 15 | Nairobi      | sun    | 15  | Reykjavik    | sun    | 8   | Washington   | rain   | 12  |
| L. Angeles  | 19 | Nassau       | sun    | 19  | Rio          | show   | 30  | Wellington   | cloudy | 21  |
| Las Palmas  | 22 | Nice         | sun    | 22  | S. Francisco | cloudy | 11  | Winnipeg     | sun    | -12 |
| Lima        | 24 | Paris        | sun    | 24  | Seoul        | sun    | 10  | Zurich       | sun    | 7   |
| London      | 16 | Perth        | sun    | 16  | Singapore    | sun    | 31  |              |        |     |
| Los Angeles | 19 | Prague       | sun    | 19  | Stockholm    | sun    | 11  |              |        |     |
| Luxembourg  | 11 | Rangoon      | fair   | 32  | Strasbourg   | sun    | 2   |              |        |     |
| Lyons       | 12 | Reykjavik    | sleet  | 3   | Sydney       | sun    | 26  |              |        |     |
| Madeira     | 12 | Rio          | show   | 30  | Taipei       | sun    | 14  |              |        |     |
|             |    | S. Francisco | cloudy | 11  | Toronto      | cloudy | -1  |              |        |     |
|             |    | Seoul        | sun    | 10  | Vancouver    | sun    | 3   |              |        |     |
|             |    | Singapore    | sun    | 31  | Venice       | drizz  | 10  |              |        |     |
|             |    | Stockholm    | sun    | 11  | Vienna       | sun    | 2   |              |        |     |
|             |    | Strasbourg   | sun    | 2   | Warsaw       | cloudy | 4   |              |        |     |
|             |    | Sydney       | sun    | 26  | Washington   | rain   | 12  |              |        |     |
|             |    | Taipei       | sun    | 14  | Wellington   | cloudy | 21  |              |        |     |
|             |    | Toronto      | cloudy | -1  | Winnipeg     | sun    | -12 |              |        |     |
|             |    | Vancouver    | sun    | 3   | Zurich       | sun    | 7   |              |        |     |
|             |    | Venice       | drizz  | 10  |              |        |     |              |        |     |
|             |    | Vienna       | sun    | 2   |              |        |     |              |        |     |
|             |    | Warsaw       | cloudy | 4   |              |        |     |              |        |     |
|             |    | Washington   | rain   | 12  |              |        |     |              |        |     |
|             |    | Wellington   | cloudy | 21  |              |        |     |              |        |     |
|             |    | Winnipeg     | sun    | -12 |              |        |     |              |        |     |
|             |    | Zurich       | sun    | 7   |              |        |     |              |        |     |

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## INTERNATIONAL COMPANIES AND FINANCE

## Trygg-Hansa in \$590m refinancing

By Christopher Brown-Humes  
in Stockholm

Trygg-Hansa, the Swedish insurer, has arranged a \$590m refinancing of its troubled US associate, Home Holdings, as it moves to draw a line under its investment in the group.

The debacle is set to cost Trygg about SKr15bn (\$667m), including more than SKr4bn in losses which will hit its 1994 results. Trygg bought into the US company, which is nearly three times its size, in 1991.

"This investment has produced catastrophic economic results for Trygg. The strategy was wrong from the beginning," said Mr Lars Thunell, Trygg's newly-appointed chief

executive. He said Trygg was beginning a new era after "four lost years" when it ceded Swedish market share and suffered huge losses because of its involvement in Sweden's Gota AB, Svenska Kredit and IC Holding, which all collapsed in 1992. Losses from Home, Gota, Svenska Kredit and IC Holding exceed SKr11bn.

A US investor group, comprising Fund American Enterprises Holdings, Trident Partnership and Kellman & Friedman, is investing \$420m in Home to strengthen its balance sheet.

The move should allow Home to regain a competitive rating, after downgrades by three US rating agen-

cies, and strengthen its market position.

Trygg is writing off a \$170m loan to Home and giving the US investor group an option to buy 14.5m of its 22.5m shares. As a result of the dilutive effect of the deal Trygg's stake in Home will fall to 18 per cent from 64.5 per cent and to as little as 6 per cent if the option is exercised.

On Monday the Swedish company announced plans to write down its investment in Home by at least SKr2.8bn.

Mr Thunell said Trygg's remaining investment was "purely financial" and suggested it would probably be sold if an acceptable offer were made.

The refinancing is expected to be finalised in the next few weeks.

Mr Jack Byrne, chairman of Fund American, will be Home Holdings new chairman. Fund American is a Vermont-based financial services group. Hellman & Friedman is a San Francisco-based merchant bank and Trident Partnership an investment fund organised by J. P. Morgan and Marsh & McLennan.

Home has been hit by its exposure to long-term environmental and professional liability claims and by hefty unrealised losses on its bond portfolio. Its nine-month loss of \$111m was due mainly to \$175m in reserve building.

## German shipping group sees record year

By Charles Batchelor,  
Transport Correspondent

Hapag-Lloyd, the German shipping and tourism group, expects operating profits to increase to a record DM720m (\$460m) in 1994, in spite of the failure of its container shipping operations to achieve its target of breaking even.

The main contribution to profits, up from DM645m last year, is expected to come from the Hamburg-based company's tourism activities, including leisure air travel, package holidays and its travel agency.

Profits of the company's cruise operations have fallen, partly because the destinations served by the cruise liner Europa - including India and South Africa - did not prove popular. Nevertheless, Hapag has chartered a second smaller cruise liner, the Bremen, and may exercise an option to buy it next year.

Hapag's container operations will make an operating loss of between DM10m and DM15m, Mr Bernd Wrede, chairman, said in London. This represents an improvement on the 1993 loss of DM50m but is less than the forecast break-even. The company now hopes to reach break-even in 1995, Mr Wrede added.

The company's container activities have been restructured over the past two years, resulting in a 20 per cent fall in employee numbers to 3,300.

At the same time, the number of containers shipped has risen by 15 per cent to 850,000. Twenty-foot unit equivalents (teu) while operating costs have remained steady.

Total group turnover is expected to rise to DM3.1bn in 1994 from DM3.3bn the year before. Container shipping accounts for just over half of the total.

Hapag expects to invest just over DM400m this year, compared with the average of DM500m to DM550m in recent years. The company has disposed of its towing operations, contributing DM68m towards a total capital gain on assets sold of DM180m included in the operating profit figure.

## Dresdner Bank moves to cut nominal share value

By Andrew Fisher  
in Frankfurt

Dresdner Bank yesterday took a significant step towards realising the concept of wider share ownership by becoming the first big German corporation to announce it will split up its shares to make them more affordable.

Mr Jürgen Sarrazin, chairman, said the bank would propose to the next annual meeting that the nominal value of its shares be reduced to DM5 from DM50 each.

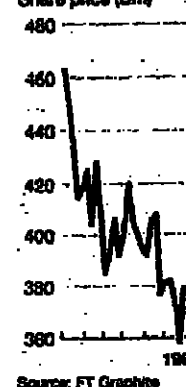
Other companies, such as the Schering chemicals group, have said they plan to do this, but Dresdner is the first to make the move.

German shares are some of the most expensive in the world. Dresdner Bank's share price yesterday stood at about DM408 (\$260), a nominal share denomination of DM5 that would be reduced to just over DM40.

The costliest share in Germany is that of the Allianz insurance group, yesterday quoted at DM2,475.

Dresdner Bank

Share price (Dm)



Source: FT Graphite

a wide range of investors.

"I assume that all big companies want a wider spread in the ownership of their shares," he added.

The next six to 12 months would show how much interest there was in moving to lower denominations.

Two recent German new issues - the Feldmann optical chain and Hanover Re, the reinsurance group - have been in DM5 nominal shares.

A recent study by DG Bank concluded that a move towards DM5 nominal shares would raise the interest of private investors in equities.

Compared with many other countries, investment in shares is a low proportion of total savings and investment. DG Bank said the average value of units in the DAX index of leading shares was DM570 in April.

Only Switzerland, with an average price of DM1,625 was higher. US shares were quoted at an average equivalent of about DM70, with those in Tokyo at DM20 and in London at DM13.

Lex, Page 16

## Burmeister drops plans for link-up

By Hilary Barnes  
in Copenhagen

Burmeister & Wain, the troubled Copenhagen shipyard, has abandoned plans for co-operation with Kockums, the Swedish shipyard in Malmö, across the straits from the Danish capital.

Plans for integrated co-operation between the Danish and Swedish yards, which included evaluation of a new joint shipyard company, were announced last month, but the yards said yesterday they could not find a satisfactory financial basis for co-operation.

However, the Danish yard, with about 1,700 employees, said it hoped to strengthen its financial position by selling its shares in shipping company BurWain Tankers International, in which it has a 70 per cent holding.

The yard has built ships on a speculative basis for BurWain Tankers, whose losses are contributing to the group's problems.

It also said it was in negotiations with American insurance companies to restructure a dollar loan. But it said the financing of work on six bulk carriers on order at the yard, was being provided by its banks.

B&W Holding shares fell DKr10 to DKr45 yesterday, compared with DKr394 at the end of last year.

## Deutsche Aerospace signals sharp reduction in losses

By Michael Lindemann in Bonn

Deutsche Aerospace (Dasa), the aerospace division of Daimler-Benz, said it would "substantially" reduce its losses this year and hoped to be back in profit by the end of 1995.

However, turnover in 1994 is likely to slip below the DM18.6bn (\$11.8bn) recorded last year because of growing competition.

The group said the company was still hoping for last-minute orders from the German defence and research minis-

tries, which have yet to exhaust their budgets for the current year.

Speaking ahead of final profit figures, expected in April, Mr Manfred Bischoff, the designated chief executive, warned that the company's results continued to depend heavily on an unsteady dollar exchange rate.

The company lost DM694m in 1993, but Mr Bischoff refused to give any further details about the extent to which these losses had been trimmed this year.

Dasa, Europe's largest aerospace company, earns its money in dollars, the currency used to price aerospace products, but spends it in D-Marks, a policy which makes it particularly susceptible to exchange rate movements.

The dollar is worth about DM1.57; if it continues towards DM1.70 Dasa will report "fantastic" results, it said.

The company is still pressing the government for more money to meet what it says is stiff competition from US competitors.

## NEWS DIGEST

## Schneider sells Simel

Schneider, the French electrical equipment and engineering group, has sold its Simel unit to AMP of the US for an undisclosed sum, AP-DJ reports from Paris.

Schneider said the sale was part of its programme to shed non-strategic assets and reduce debt.

Simel produces equipment for transmission and electrical distribution networks, and operates in more than 60 countries. The company, which posted 1993 sales of FFy400m (\$61.5m), employs 490 people.

AMP, meanwhile, posted 1993 sales of FFy3.5bn and has 29,000 employees.

Schneider said the sale of Simel not only strengthened the US company's international and domestic positions, but also provided Simel with technical support from AMP.

If the plans go ahead, Arco Chemical will take charge of marketing Rhône-Poulenc's TDI, which the French group will continue to manufacture.

## Viag in unit merger

Viag, the diversified German energy and chemicals group, is merging its fireproofing activities with Radex-Heraklith of Austria, Reuter reports from Bonn.

Viag said it would acquire an 18 per cent stake in Radex, and sell the Austrian company a 25.5 per cent stake in its fireproofing subsidiary Didier-Werke, and then a majority stake, starting in mid-1997. It said it was gradually withdrawing from Didier, in which it now holds 51 per cent.

## Rhône-Poulenc sale

Rhône-Poulenc, the French chemicals group, is to sell its TDI business to Arco Chemical of the US for an undisclosed sum, Reuter reports from Paris.

TDI is used with polyol to make polyurethane, which is used for bedding, furniture and car seats. It generates sales worth about FFy1.2bn (\$22m) for Rhône-Poulenc.

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## CONTRACTS &amp; TENDERS

## MINISTERIO DAS FINANÇAS PORTUGAL

## GABINETE DO MINISTRO

## TENDER

Through executive order nr. 83/94-XII issued by the Minister of Finance, published in Diário da República nr. 270, 2nd Series, on the 22nd November 1994, we hereby announce a pre-qualification tender to establish evaluation studies of public sector enterprises and technical assistance on privatization operations.

Interested parties should submit their applications to the Ministry of Finance, 100-102 Rua do Comércio, 1200-001 Lisboa, Portugal, by 15th December 1994.

Agent: Morgan Guaranty Trust Company

| 100 hour | 200 hour | 300 hour | 400 hour | 500 hour | 600 hour | 700 hour | 800 hour | 900 hour | 1000 hour |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
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| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |
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| 100      | 200      | 300      | 400      | 500      | 600      | 700      | 800      | 900      | 1000      |

Prices are indicated for every half-hour in each 100-hour period. The price for the first 100 hours is the base price. The price for the remaining 900 hours is the base price plus the price for the first 100 hours multiplied by the number of 100-hour periods. The price for the first 100 hours is the base price. The price for the remaining 900 hours is the base price plus the price for the first 100 hours multiplied by the number of 100-hour periods.

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**Notice of Early Redemption**

**HMC FINANCING 9 PLC**

**£62,000,000 Senior**

**and**

**£6,700,000 Mezzanine**

**Floating Rate Mortgage Backed Notes**

**Due January 2035**

In accordance with Condition 5(c)(i) of the Senior Notes and Condition 5(c)(ii) of the Mezzanine Notes, Noteholders are hereby notified that all outstanding Notes will be redeemed in full on the next interest payment date of January 13, 1995. Payment of the Principal Amount Outstanding together with any interest due will be made against the surrender of the Notes at any Paying Agent listed below.

**PRINCIPAL PAYING AGENT AND AGENT BANK**

The Chase Manhattan Bank, N.A.  
Woolgate House, Coleman Street, London EC2P 2HD

**PAYING AGENT**

Chase Manhattan Bank, Luxembourg S.A.  
5 Rue Pictet, L-2338 Luxembourg-Grand

By: The Chase Manhattan Bank, N.A.  
London, Principal Paying Agent and Agent Bank

December 7, 1994

**Notice of Early Redemption**

**HMC MORTGAGE NOTES 5 PLC**

**£150,000,000 Class A**

**and**

**£7,500,000 Class B**

**Mortgage Backed Floating Rate**

**Notes Due July 2030**

In accordance with Condition 5(c)(i) of the Class A Notes and Condition 5(c)(ii) of the Class B Notes, Noteholders are hereby notified that all outstanding Notes will be redeemed in full on the next interest payment date of January 15, 1995. Payment of the Principal Amount Outstanding together with any interest due will be made against the surrender of the Notes at any Paying Agent listed below.

**PRINCIPAL PAYING AGENT AND AGENT BANK**

The Chase Manhattan Bank, N.A.  
Woolgate House, Coleman Street, London EC2P 2HD

**PAYING AGENTS**

Chase Manhattan Bank, Luxembourg S.A.  
5 Rue Pictet, L-2338 Luxembourg-Grand

By: The Chase Manhattan Bank, N.A.  
London, Principal Paying Agent and Agent Bank

December 7, 1994

**NOTICE OF REDEMPTION**

**A/S EKSPORTFINANS**

**US\$100,000,000 10% Notes due 1996**

NOTICE IS HEREBY GIVEN THAT pursuant to paragraph 4(b) of the terms and conditions of the above mentioned notes, Citibank, N.A., as Principal Paying Agent has selected by lot for redemption on January 10, 1995, US\$20,000,000 principal amount of the notes. Outstanding Notes bearing serial numbers ending in any of the following 2 digits have been selected for redemption.

|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 04 | 35 | 36 | 38 | 39 | 40 | 47 | 48 | 49 | 50 | 58 |
| 02 | 07 | 72 | 78 | 77 | 81 | 82 | 84 | 85 | 88 |    |
| 89 | 92 | 93 | 96 | 97 | 98 | 99 |    |    |    |    |

Also the Bonds bearing the following serial numbers:-

|      |      |      |      |      |      |      |      |      |      |     |
|------|------|------|------|------|------|------|------|------|------|-----|
| 117  | 141  | 168  | 227  | 266  | 437  | 441  | 496  | 541  | 641  | 641 |
| 737  | 741  | 798  | 837  | 866  | 886  | 1037 | 1041 | 1096 | 1141 |     |
| 1241 | 1521 | 1586 | 1437 | 1441 | 1486 | 1537 | 1541 | 1586 | 1641 |     |
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## John Ridding on BCP's tough struggle to steer clear of bankruptcy

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TERM NOTE  
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GENERALE**  
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**FLOATING/FIXED**  
**RATE NOTE**  
**DE DATE MARCH 1998**  
**ISIN CODE:**  
**XS0054274443**  
  
For the period  
December 08, 1994 to  
March 13, 1995  
the new rate has been  
fixed at  
2,6541667 % P.A.  
New payment date :  
March 15, 1998  
Coupon nr : 1  
Amount :  
JPY 715 150 for the  
first redemption at  
JPY 100 000 000  
  
**THE PRINCIPAL PAYING  
AGENT SOGENAL  
SOCIETE GENERALE  
GROUP**  
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LUXEMBOURG



## Profit soars at Malaysian Airlines

By Kieran Cooke  
in Kuala Lumpur

Malaysian Airlines (MAS) has announced sharply increased pre-tax profits of RM10.7m (US\$4.0m) for the six months ended September 30. This compares with RM6.4m in the year-ago period.

Turnover rose 15 per cent to RM2.8bn, with the inclusion of an unexplained 83 per cent rise in other income. Analysts attributed some of the improvement in profits to the more effective use of capacity, particularly on international routes.

The airline has also made staff reductions which have improved overall productivity.

Mr Tajudin Ramli, a Malaysian entrepreneur with interests including telecommunications and transport, gained control of MAS earlier this year through a controversial, highly-leveraged RM1.7bn deal. Mr Tajudin's listed Malaysian Helicopter Services company now has a controlling 82 per cent stake in MAS.

MAS said overall capacity for the period under review had expanded by 15.7 per cent, and the overall load factor had risen to 64.4 per cent.

"We believe that positive measures taken by the management and staff have to a large extent contributed to the improved half-year results," he said.

"These include aircraft optimisation and

efficient redeployment of the company's human resources."

In spite of the improved results, analysts were cautious in their assessment of the performance of MAS. Some said the results were not comprehensive, and there were still doubts about the overall financial health of the airline.

An ambitious expansion programme involving the purchase of 72 aircraft, valued at RM10.6bn, over six years has severely strained financial resources.

There are also doubts about the profitability of some of MAS's recently-inaugurated routes, particularly to Latin America. MAS said it would not be paying any interim dividend.

## Iscor and state link in R3.6bn steel mill venture

By Mark Surman  
in Johannesburg

Iscor, the South African iron and steel manufacturer, has announced plans to develop a R3.6bn (\$1bn) steel mill at Saldanha Bay on the country's west coast in partnership with the state-run Industrial Development Corporation.

The project has been under investigation for several months, with both Iscor and the IDC undertaking comprehensive feasibility studies. The decision to go ahead is regarded by local analysts as a positive move that should substantially help Iscor's long-term profitability.

The proposed mill will comprise a 650,000-tonne-a-year Corus plant, an 800,000-tonne-a-year shaft furnace to manufacture sponge iron, a DC arc furnace, a continuous thin slab caster, a soaking furnace and a hot strip mill. It will produce 1.35m tonnes of hot-rolled coil annually primarily at the export market.

Mr Hans Smith, Iscor managing director, said the project should generate substantial foreign exchange earnings. He said it signalled the commitment of both Iscor and the government to promoting the treatment of raw materials before export.

"This is one of the largest industrial projects of recent years and is directed at benefiting local raw materials for export," Mr Smith said. "It also has significant potential for future expansion and for development of new, steel-related industries in the Saldanha area."

The new mill, which will be constructed under what the company describes as "stringent environmental standards", will support about 600 permanent jobs and 4,000 temporary places during the construction phase. Production is expected to begin within 36 months of the start of construction.

The announcement follows shortly after Iscor's decision last week to convert its carbon steel-producing Pretoria Works into a stainless steel plant, at a cost of R100m. That project is also expected to boost foreign exchange earnings through the sale of new rolled products. Mr Smith estimates sales of some R2bn a year by the end of the decade.

He said the combination of the Pretoria conversion with the Saldanha Bay project would not alter the company's total volume of carbon steel production.

## Upbeat Lion Nathan forecasts record result

By Terry Hall in Wellington

Lion Nathan, the biggest brewer in Australia and New Zealand, has forecast continued profits growth of between 8 and 10 per cent a year.

Mr Douglas Myers, chief executive, yesterday told the annual meeting the company had started the 1994-95 financial year strongly, with profitability in the first quarter substantially above last year. Pre-tax earnings in the financial year to next August 31 would be a record. However, net earnings were expected to be below the NZ\$204m (US\$129.1m) posted in 1993-94.

He said the economic upswing in Australia had meant a significant strengthening in beer consumption over the past six months. The company's market share had risen to 44 per cent.

Mr Myers said that Lion Nathan had caused the most dynamic improvements in Australian brewing in 200 years, in part by forcing new industrial practices. "Once Australian breweries were inefficient and rigid; now they are highly efficient. Our breweries are the most productive in the world, and so flexible that most can today brew all our main regional brands."

He found it encouraging that in New Zealand there had been a 1.1 per cent growth in the overall beer market, and volumes had risen by 1.6 per cent. Lion Nathan was making good progress with its plans to build breweries in the main coastal regions of China.

## Bank Tiara seeks to double share capital through issue

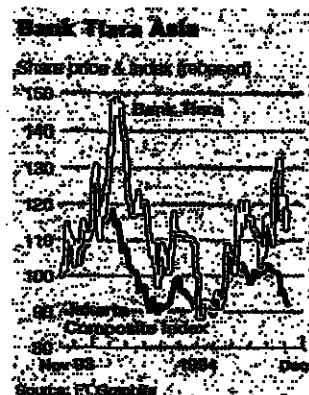
By Peter Montagnon,  
Asia Editor

Bank Tiara Asia, the rapidly-growing Indonesian bank, is launching a Rp200m (\$21.8m) share issue that will double its share capital. About one third of the issue will be placed internationally later this month under the leadership of Baring Brothers.

The extra funds will give the bank a total capital ratio, under the Bank for International Settlements formula, of more than 30 per cent compared with 14.3 per cent at present.

Mr Tojokro Hartono, director responsible for corporate planning, said the extra capital presented "a tremendous opportunity" for growth in lending to the medium-sized corporate market, in which Bank Tiara specialises.

With gross lending growth approaching 80 per cent from a small base, Bank Tiara has enjoyed a rising share of



the total Indonesian loan market without sacrificing interest margins. These stand at a relatively high 6 per cent.

The bank, which was founded in 1989, says it is careful to avoid excessive exposure to its principal shareholder, Ometraco, the trading and real estate group. Loans to Ometraco amount to less than 1.2 per cent of total lending and

5.4 per cent of shareholders' funds.

Ometraco's stake in the bank will be reduced to about 44 per cent from about 66 per cent following the share issue. This should enhance the liquidity of the other outstanding shares, most of which are held by international investors.

Mr Hartono said with its strategy of focusing on the middle market, the bank risked restricting growth in fee income, which is mainly generated by large corporations. Also, it had to be careful to ensure that it could attract sufficient deposits to fund its lending growth.

A plan to establish a finance company in Hong Kong next year would help attract offshore deposits from Indonesian clients, and finance their trade with China. The bank also believed its ability to develop new products for depositors would be enhanced by a planned expansion into insurance.

## George Weston under pressure

By Nikki Tait in Sydney

George Weston, the Sydney-based subsidiary of Associated British Foods but quoted separately on the Australian Stock Exchange, yesterday warned that profits would be "at best, relatively flat" in the current financial year.

Mr John Pascoe, chief executive, claimed that pressure on margins remained intense, especially in the core bakeries business, and that the severe

drought along the eastern seaboard was compounding problems. However, the company hoped that rising grain costs might eventually lead to greater price stability in the bread market.

Weston saw net profits unchanged last year at around A\$2.3m (US\$4.3m), on sales of A\$1.05bn.

The company also came under attack yesterday from small shareholders over its dividend policy, with representa-

tives of the Australian Shareholders' Association claiming that minority shareholders were being squeezed and franking credits were going unused.

Mr Ray Wagner, from the ASA, described last year's 15.5-cent-a-share payout as "paltry" when retained profits stood at 14 times the dividend cost. The company, he noted, was in a healthy cash situation and could support a more liberal payout policy.

## Milestone for Australian investors

If all goes smoothly, the Australian stock market could pass a milestone during the next few weeks when shares in Hills Motorway, the country's first publicly-listed infrastructure project, start trading.

A public market for infrastructure-related securities is nothing new to investors in the US, who have invested in development projects for decades. In the UK, the concept is also familiar: Eurotunnel, for example, floated seven years ago. In Australia, however, the notion of private infrastructure funding is relatively new, and the launch of the Hills Motorway Trust will be a closely-watched event.

At the centre of this new-found interest is the M2 Motorway, a tranche of four-lane expressway with a two-lane busway and combined bicycle and breakdown lane, to be built on Sydney's North Shore.

The country's first publicly-funded infrastructure project is about to start trading, writes Nikki Tait

It will operate as a toll-road and run for about 20 kilometres. If planners' dreams come to fruition, the M2 will ultimately form part of an orbital ring road around the congested metropolitan area.

The Hills Motorway Trust, which is responsible for financing the project, and the associated Hills Motorway Limited, which will supervise the construction and ongoing operation of the road, were set up by Macquarie Bank, the Sydney-based investment bank. Its consortium won the right to handle the project from the Roads and Transport Authority (RTA) earlier this year.

The project itself is fairly straightforward. Construction of the road, due to be com-

pleted in late-1997, will be handled by Abigroup, a local publicly-listed construction group, and Japan's Obayashi Corporation. Subsequent operation and maintenance of the toll-road for the next 35 to 45 years will be parcelled out to Abigroup and Transroute, the European motorway operator.

What makes the M2 noteworthy is the structure of the funding. Out of a total project cost of around A\$650m (US\$300.7m), the Hills consortium is finding approximately A\$500m. In casting around for these funds, bankers say they canvassed local institutional investors, and encountered a number of requests, including one for a yield from day one, and a request that there be a public market for the securities.

Partly to meet these requests, the funding was split into three parts: A\$111m of term debt, A\$200m of inflation-linked, or "CPI", bonds, and A\$139m of equity, with sponsors contributing a further A\$50m.

The use of CPI bonds was fairly obvious, since increases in the tolls and the main operating costs will also be inflation-linked. More unusually, by using an internal infrastructure loan which takes advantage of tax concessions introduced by the federal government to encourage capital investments, the project will pay tax-free dividends on the equity units during the three-year construction phase. The yield, at the application price, will be 10 per cent. (Once the motorway is built, revenue from the tolls will provide the income stream.)

Potential takers for the equity were found earlier this year, and the CPI bonds are underwritten. Now private investors are being offered the opportunity to subscribe for a small portion of the equity.

The whole process has been not without controversy. On the one hand, environmentalists have objected to another big road cutting through Sydney. Part of the land on which the motorway will be built has also been subject to a native title claim. If this is successful,

the RTA could be obliged to pay compensation to the Aboriginal people involved, although the motorway itself should not be affected directly.

On the financial front, Macquarie admits some institutions were reluctant to commit funds. It blamed this partly on scepticism about the traffic projections and partly, perhaps, on unfamiliarity with this type of project. Some of the large life insurance companies were particularly hesitant, it says.

More recently, there has also been dispute with the Australian Stock Exchange over joint shares could be made available to the public as part of the listing process. The original plan was for about a quarter of the institutions' holding to be sold on to the public at a premium to the original application price.

However, this would have meant that the remaining shares were subsequently "escrowed" and untradeable for a quite a while. In the end, Macquarie gave up. The securities which it would have taken on to its own books. These will be sold to the public at the same A\$1 application price which institutions were offered.

An even bigger question is whether this launch heralds a meaningful "infrastructure" sector on the ASX. This seems a strong possibility. Changes to Australia's pension arrangements mean that institutionally-managed superannuation funds are booming. Having come from virtually nothing to A\$190m over the past decade, they are forecast to reach around A\$400bn by the year 2000.

Some of the larger fund management groups, moreover, have already earmarked infrastructure investments as an area for attention. Lend Lease, for example, has formed a joint venture with GE Capital to invest in such projects, while the AMP, the big life group, has formalised an infrastructure division within its investment division.

On the other side, state governments, worried about budget deficits, are fairly keen to tap private-sector funds. Indeed, next off the block could be a much larger tollway project - the southern/western bypass around Melbourne.

150 من الاصل

7th December 1994

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The company has declared a final dividend No. 165 of 65 cents per ordinary share in South African currency, payable to members registered at the close of business on 30 December 1994. Warrants payable on 1 February 1995 will be posted on 31 January 1995. Standard conditions relating to the payment of dividends are obtainable at the share transfer offices. Requests for payment of the dividend in South African currency by members on the United Kingdom register must be received by the company on or before 30 December 1994, in accordance with the above-mentioned conditions. The register of members will be closed from 31 December 1994 to 6 January 1995, inclusive.

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S.J. Dunning, Secretary  
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United Kingdom Registrar:  
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6 December 1994

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November 22, 1994

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Shares rise 25p after better than expected interim results

## Swedish purchase lifts Charter

By Peggy Hollinger

Shares in Charter jumped yesterday in a falling market, rising 25p to 780p, as the UK industrial group announced better than expected interim operating profits of £28.2m.

The result, which compared with £19.5m last time, was about 25m better than expectations.

The market was particularly impressed with Charter's progress in integrating Esab, the Swedish welding business acquired for £280m in August.

In the six weeks it contributed to these results, Esab returned operating profits of £4.4m. "The assumptions we had made for Esab in 1994 have already been surpassed in this six week period," said one analyst.

Esab was already achieving margins of 11 per cent, with

further scope for improvement, analysts said, against expectations of 10 per cent.

Mr Jeffrey Herbert, chief executive, said the restructuring of Esab was going well. Charter expected to incur exceptional costs of between £10m and £20m as a result.

The pre-tax line appeared less encouraging, with profits falling by 2 per cent from £31.3m to £30.8m. Sales for the six months to September 30 moved ahead from £288.4m to £295.8m.

Charter said the decline in pre-tax profits was due to a £8.8m drop in interest gains to £2.6m. On a like-for-like basis, pre-tax profits had improved by more than 20 per cent. Interest fell as a result of the buy-back of shares held by Minoreo, the off-shore arm of Anglo-American.

The company was restruct-

ured last year selling its stake in Johnson Matthey and using part of the proceeds to buy back Minoreo's 36 per cent stake. This had left it with a cash pile which helped to fund the Esab purchase.

Excluding Esab, Charter's three divisions of building products, railtrack equipment and coal returned marginally higher operating profits of £18.8m (£19.5m).

Mr Herbert said that he was confident of a further improvement for most businesses in the current year, with the exception of coal. There remained considerable uncertainties given the privatisation of British Coal in the UK and the competitive environment in the US.

Charter increased its interim dividend from 7p to 7.5p. Earnings per share rose from 18.5p to 23.7p.

## COMMENT

These results makes the Esab deal look like a steal. Few suspected that Charter would be able to get margins up to these levels so soon, not even the management. Even better, there appears to be substantial scope for further improvement through brand synergies and rationalisation. Esab is also expanding recovery in several markets, most notably the US and Pacific, while Europe finally appears to have hit bottom. So much good news might make investors wonder when it will all turn to tears. For the moment however, the Esab story is a tempting one. Forecasts are for profits of about £63m this year, rising to £88m in calendar 1995. The prospective p/e for 1995 of about 14 times looks decent value given Esab's potential.

## Saatchi to launch Zenith giant in the US

By Diane Summers, Marketing Correspondent

Saatchi & Saatchi, the advertising group, is to launch its Zenith media-buying business in the US from next month, it was announced yesterday.

Zenith Media US, with billings of about \$20m (£12.0m), will be the largest media buyer in the US. It will initially draw its business from Saatchi's three US advertising networks, Saatchi & Saatchi Advertising, Bates USA and Campbell Mithun Rst.

Zenith is well established in Europe and is the top-ranking media-buying business in the UK, where about half its business comes from outside Saatchi-owned agencies. The group hopes to develop similar third-party business in the US.

Clients will be offered research and planning on where to place advertisements, and consultancy on new media technology, said Saatchi.

Media-buying specialists can also obtain airtime and space in newspapers and magazines at discount rates due to the volume of their purchases.

Saatchi's move comes at a time when media buying in the US appears to be consolidating. Last month Interpublic, the US advertising group, announced it was to acquire Western International Media, the country's largest independent media-buying company.

Mr Charlie Scott, Saatchi chief executive, said the launch was an important development for the group's US and worldwide clients. "As the media marketplace becomes more complex our clients will make their media spend work harder for them by using the skills, information sources and buying leverage of a major player like Zenith," he said.

Saatchi said it was also "an important step in the development of the world's first global media buying agency". It would be the only specialist media agency to provide a service to clients in the world's two leading marketing regions of Europe and the US. Zenith is also expected to be launched in China late next year.

Mr Neil Blackley, media analyst with Goldman Sachs, said the Zenith announcement was not expected to affect Saatchi's profits forecasts in the short term. The move would not involve extra expenditure on premises or personnel, because existing resources would be used.

Longer-term success would depend on how much third-party business they could win, he said.

## Improved efficiency helps Stagecoach advance 64%

By Simon Davies

Stagecoach Holdings, the UK's largest bus group, yesterday announced a 64 per cent rise in pre-tax profits, with its continuing operations showing a dramatic improvement in operating efficiency.

The profits, which rose from £8.8m to £14.5m in the six months to October 15, were better than expected. The share price jumped 15p to 227p.

Stagecoach has been expanding aggressively through acquisitions, and boosting the performance of new subsidiaries through bulk buying of buses and components, and streamlining management.

However, during the period, UK operating profits on continuing businesses, excluding acquisitions, came to £11.7m (£8.8m) giving operating margins up from 14.8 per cent to 18.9 per cent.

Acquisitions since April 1989 added a further £5.4m, while there was a £2.7m profit from the overseas operations in Africa, New

Zealand and Hong Kong.

Stagecoach is faced with a UK bus market which is shrinking, due to increasing car usage, but the group achieved revenue growth from continuing operations, and total turnover rose from £51m to £128.3m.

The company took £157m of redundancy costs in the first half, and reorganisation costs are expected to come to about £3m for the full year.

Stagecoach has so far added about £158m of annual turnover through acquisitions this year. During the first half it spent about £78m on bus companies and £26m on new vehicles.

Net debt amounted to £112m, representing gearing of 157 per cent. Interest costs rose from £1.9m to £2.6m, but were covered 6.5 times, and the company said it would be comfortable with gearing below 175 per cent.

The dividend is raised by 10 per cent from 1.5p to 1.65p, against a 66 per cent increase in earnings per share to 7.3p

(4.4p), reflecting rising capital expenditure on fleet and acquisitions.

## COMMENT

The party is almost over for bus operators, as the pace of consolidation within the industry starts to slow, and managers have to focus on squeezing organic growth from a declining market. Stagecoach has always stated that it could substantially improve operating efficiency, and the latest results support its claims. Flexible pricing, and a creative approach to new routes and bus types, are already paying off. This year's figures will benefit from a full contribution from recent London acquisitions, and pre-tax profits should rise to £31m, representing a p/e of 14.6. The following year sees the full benefit of recent acquisitions. The shares are at a premium to both stock market and sector, but the management has done everything to deserve it, and the shares should continue to outperform.

## BSS advances to £6.7m midway

By Peter Pearce

Interim profits at BSS Group, the heating, plumbing and process control supplier, grew 38 per cent from £5.07m to £6.7m.

The shares edged ahead up to 20p, prompting Mr Peter Cooper, chief executive, to remark that the group's shares were always "slow to respond".

However, he said he was pleased with the results.

Turnover in the six months to September 30 rose 13 per cent to £139.7m (£123.5m). Operating profits emerged 27

per cent ahead at £7.11m (£5.8m), after a £100,000 charge for the reorganisation of the domestic division.

Mr Cooper said that "at long last" the group had seen a degree of recovery in the industrial and commercial construction industry. He thought that after "three, though it seems like four, years of recession", this recovery looked set to continue.

"We have seen a 2% per cent increase in the market as it affects us, as a group," he said, adding that BSS was now

being vindicated in its policy of not reducing investment through the recession.

The industrial and commercial division, comprising BSS and Manor, lifted profits 16 per cent to £7.9m (£6.8m) on turnover up at £84m (£78.5m).

Sales on the domestic side expanded 24 per cent to £55.7m (£44.8m) and losses were reduced to £31,000 (£567,000). Mr Cooper said the division, which is heavily biased towards the colder second half, was recovering market share.

He reckoned that the whole

market had grown 8.7 per cent on last time and that the division's share rose from 10 to 12 per cent. This puts the group second behind Wolseley, which has 27 per cent.

Mr Cooper said BSS now had a base for organic growth over the next two or three years. The new distribution centre was complete and the unification of the whole group onto one computer system was in process.

Earnings were 16.7p (12.3p) per share and the interim dividend is lifted to 6.25p (5.75p).

## Sterling Publishing rises 5% to £1.38m

By Geoff Dyer

Sterling Publishing, which specialises in international business reference books and magazines, increased interim pre-tax profits by 5 per cent.

The rise in profits to £1.38m (£1.31m) in the six months to September 30, was

achieved on turnover up 46 per cent at £24.5m (£17.1m).

Mr Roger Harrison, chairman, said the group's publishing cycle was still heavily biased towards the second half and as profits were only recognised on publication, the first-half results were not a good guide for the rest of the year.

The two international business publishing subsidiaries, Sterling Publications and Cornhill Publications, increased operating profit by 14 per cent and introduced eight new titles.

Fully diluted earnings per share amounted to 2p (1.9p). The interim dividend is increased to 0.75p (0.7p).

## DIVIDENDS ANNOUNCED

| Company             | Current payment | Date of payment | Corresponding dividend | Total for year | Total last year |
|---------------------|-----------------|-----------------|------------------------|----------------|-----------------|
| Allied Colloids Int | 0.55            | Feb 17          | 0.57                   | -              | 2.36            |
| Archimedes Int      | 17.57           | Feb 14          | 17                     | 26.5           | 26              |
| BSS                 | 6.25            | Jan 24          | 5.75                   | -              | 17.75           |
| Celltype Int        | 5               | Jan 13          | 5                      | -              | 11.5            |
| Charter             | 7.5             | Jan 23          | 7                      | -              | 22.5            |
| Craigston Int       | 2.2             | Feb 11          | 2.2                    | -              | 7.7             |
| East Surrey Int     | 2.2             | Jan 31          | 4.43                   | -              | 12.38           |
| Edridge Pope Int    | 2.6             | Feb 4           | 2.15                   | 4.1            | 3.55            |
| Fletcher King Int   | 0.5             | Mar 1           | 0.5                    | -              | 1.5             |
| Hazlewood Foods Int | 2.4             | Jan 31          | 2.4                    | -              | 6.7             |
| London Clubs Int    | 4.25            | Jan 31          | -                      | -              | -               |
| Midland Elect Int   | 9.3             | Mar 24          | 7.85                   | -              | 23.2            |
| North Investors Int | 2.2             | Mar 31          | 2                      | -              | 8               |
| North Investors Int | 1.5             | Jan 27          | 1.5                    | -              | 5               |
| Powell Duffryn Int  | 8               | Jan 11          | 6.6                    | -              | 23.6            |
| Shaftebury Int      | 1               | Jan 27          | n/l                    | 1              | n/l             |
| Siebs Int           | 4.03            | Apr 7           | 3.68                   | -              | 11              |
| Stagecoach Int      | 1.05            | Feb 17          | 1.5                    | -              | 4.1             |
| Starling Pub Int    | 0.75            | May 9           | 0.7                    | -              | 3.6             |
| Sturge Int          | 2               | Apr 6           | 2                      | 3              | 3               |
| Tenne (John) Int    | 1.6             | Jan 17          | 1.6                    | -              | 4.01            |
| Tenunton Cider Int  | 2.8             | Feb 16          | 2.85                   | -              | 6.8             |

Dividends shown per share net except where otherwise stated. \*On increased capital. \$USM stock. \*Adjusted for scrip issue. \*Second interim in lieu of final.

## Tibbett makes Austrian purchase from Unilever

Tibbett & Britten International, a wholly-owned subsidiary of UK-based distribution group Tibbett & Britten, is to acquire Ektimo-Igo Tiefkühllogistik (ETL), a distribution and logistics company within Unilever's Austrian frozen foods division.

The deal will be completed on January 1 1995, when an initial cash payment of £100m (£5.9m) will be made from the parent group's existing resources for 70 per cent of the Vienna-based company. A further £100m is payable on the final day of the year.

The remaining 30 per cent of ETL's shares will be acquired

by January 1 1997 for a performance-related figure of not more than £125m, payable in instalments between 1997 and 2001.

Mr John Harvey, TBI chairman, said: "This acquisition is consistent with our strategy of development within our established business sectors while translating our experience into new markets by working with existing multinational clients."

The acquisition will give Tibbett a long-term contract with Unilever and a well-developed national network.

The deal will also see 500 employees and about 250 refrigerated vehicles transfer to TBI.

## GKN sells 20% of Chep UK

GKN, the automotive products, aerospace and special vehicles group, is selling 20 per cent of Chep UK, its pallet pooling business, to Brambles of Australia for £26m in cash.

The deal, creating a 50/50 joint venture between the two groups, includes a provision for a further payment of £3m depending on Chep's profitability for the two years ending December 31 1995.

Brambles has also agreed to acquire a 20 per cent interest

in shareholders' loans made to Chep UK for an estimated £7.2m.

The two groups also agreed that further global expansion would be on a 50/50 basis.

Chep UK, with 14m pallets in circulation, made pre-tax profits of £14.9m in the year to December 31 1993.

GKN has also sold its equipment rental activities in the US and Australia for £5m, net of costs.

The consideration compares

with a book value of £12m and goodwill already written off of £22m. The effect on the group's results will therefore be an exceptional loss of £28m and a reduction in shareholders' funds of £7m.

The GKN rentals division in the US is being sold to a number of purchasers led by Pro Equipment Rentals, while GKN Australia and its subsidiaries have been sold to Kennards Hire. In 1993 the two businesses made losses of £6m.

This announcement appears as a matter of record only.

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Application has been made to the London Stock Exchange for the grant of permission to trade on the Unlisted Securities Market on the London Stock Exchange for the whole of the Ordinary Shares capital of Innovative Technologies Group plc ("the Company"), issued and to be issued pursuant to the placing described below. It is emphasised that no application has been made for the Ordinary Shares to be admitted to listing. It is expected that dealings in the Ordinary Shares will commence on 15th December 1994.

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(Incorporated in England and Wales under the Companies Act 1985 with Registered Number 2867684)

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of

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by

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|------------|------------|-----------------------------|--------|------------------------------------|-------------|
| Amount     | Number     | Amount                      | Number | Amount                             | Number      |
| £2,750,000 | 27,500,000 | Ordinary Shares of 10p each |        | £2,083,330                         | £20,833,300 |

The principal activity of Innovative is the development and manufacture of medical products and high value industrial products arising from the same technology.

Full particulars of the Company may be obtained during normal business hours on any weekday (Saturday excepted) from 9.00am on 7th December 1994 up to and including 20th December 1994 from:

| Innovative Technologies Group plc | Allied Provincial Securities Ltd | Allied Provincial Securities Ltd |
|-----------------------------------|----------------------------------|----------------------------------|
| Beaufort House                    | Beaufort House                   | 51-55 Gresham Street             |
| 94-96 Newhall Street              | 94-96 Newhall Street             | London                           |
| Winford                           | Winford                          | Birmingham B3 1PE                |
| EC2V 7EH                          | EC2V 7EH                         |                                  |

and, for collection only, during normal business hours up to and including 9th December 1994 from the Companies Announcements Office, the London Stock Exchange, Capel Court entrance off Bartholomew Lane, London EC2 1HP.

7th December 1994



## COMPANY NEWS: UK

Problems at four plants, now solved, cost group £7m in first half  
**Hazlewood halved at £10.7m**

By David Blackwell

Problems at four UK plants helped to halve Hazlewood Foods interim profits.

Mr John Simons, the former finance director who took over as UK chief executive in September, said yesterday that the problems had cost the group £7m. However, all four problem areas had now been sorted out.

Pre-tax profits for the six months to October 1 fell from £23.3m to £10.7m, while total sales grew from £408.9m to £426.1m. Excluding exceptional items, profits were £12.1m (£25.8m). Sales from continuing operations were ahead from £390.5m to £414m.

The group said it had returned two of the problem plants to profit - the Sheffield sausage factory and the Wrexham ready meals plant. The Hilliers plant in Plymouth,

which makes chilled pies and quiches, was breaking even at the end of the half following losses which at one time hit £90,000 a week. The salad processor in Waltham Abbey was sold.

"We made a small loss in the first quarter," said Mr Simons. "But we have come back to substantial profitability after taking these actions."

Produce was the only one of the group's eight operating divisions to show an increase in operating profits and margins, making £5m (£3.3m) on sales of £35.4m (£37.8m).

The ready meals division fell into the red to the tune of £1.1m, compared with a profit of £8.3m. The result was hit by the Wrexham plant problems, a depressed ice cream market, and raw material costs at Fri D'Oor, the Dutch potato processor.

The non-food division, which makes nappies and other paper goods, was also hit by raw material increases which sent it £100,000 into the red (£1.6m profit).

Grocery division profits fell to £1.9m (£4.2m), but by price rises of up to 50 per cent for soft fruit for jam making, and by a falling market for pickles.

Mr Simons said the group had now tidied up most of the peripheral problems, and had established itself as a strong competitor in the convenient food and ready meal markets.

"The team is very confident that this will lead to a better second half performance."

Earnings a share fell from 6.9p to 3.7p. The interim dividend is unchanged at 2.4p.

## COMMENT

The past 12 months have been traumatic for Hazlewood. Its

response to mounting problems has been reasonably rapid and it has brought in new blood and attached its cost base. After a great deal of work, the group is climbing out of the hole it dug for itself.

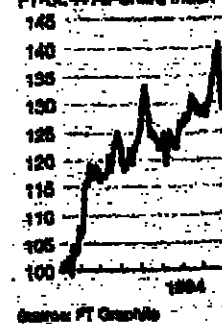
But the pressures will continue, not least from raw material price increases, particularly in packaging. The trouble appears to be that the group is a hotch-potch of relatively small businesses, with no critical mass in any single one, although it will argue that 60 per cent of sales now come from the targeted ready meals sector. Profit forecasts for the full year range from £28m to £38m, so it is probably now best considered as a yield stock. An unchanged dividend gives a yield of 8 per cent, which is below that of the similarly struggling Albert Heijn.

**Allied Colloids disappoints with 27% rise**

By Tim Burt

## Allied Colloids

Share price relative to the FT-100



Shares in Allied Colloids fell 13p to 117p yesterday after its first half results fell short of market expectations, despite a 27 per cent increase in profits.

Pre-tax profits in the six months to October 1 rose from £19m to £24.2m, on turnover ahead 7 per cent at £170.2m (£159.3m) - a slowdown on the 10.5 per cent growth reported in the year to end March.

The company admitted, however, that half the profits increase was due to favourable exchange rates, with overseas sales accounting for 86 per cent of the total.

Profits were also enhanced by improved cost controls and lower raw material prices, although these have risen sharply in recent months.

Contract prices for acrylonitrile - one of Allied Colloids' main raw materials - have risen from a January low of Dm1.055 per tonne to a high last month of Dm1.830.

Spot prices, meanwhile, have increased from \$675 per tonne to \$1,250 per tonne over the same period.

Mr Gordon Senior, finance director, said higher raw material price would have an impact in the second half, but claimed the company would be able to pass on most of the increase to customers.

"We expect to recover costs by not only passing on prices but also increasing volume sales and reducing unit costs," he said.

In the first half, sales growth was underpinned by buoyant demand in North America and continental Europe, which rose 10.7 per cent to £87.8m and 7.7 per cent to £57.5m respectively.

Sales in other markets were more modest, with UK turnover rising slightly from £21.8m to £22.7m.

Of the group's core products,

only paper products showed any sizeable increase and improvements in polystyrene, carboxy, textiles, mineral processing and coatings remained sluggish.

Nevertheless, the company said its balance sheet was strong and it would continue with capital expenditure on new plant and facilities, which reached a record £22.5m in the first half.

Earnings per share rose 34 per cent from 15p to 20.5p, and an interim dividend of 0.55p (0.5p) is declared.

## COMMENT

Allied Colloids will need to engineer a strong second half sales performance to recover some of the market confidence lost yesterday. Analysts downgraded their full year forecasts from £58m to £51m and expressed scepticism of improving sales growth as higher raw material prices begin to bite. Some of its rivals, however, would be happy with margins of 14 per cent and Allied Colloids' strong product portfolio. On a forward multiple of 16.5, a 21 per cent premium to the market, the shares may yet fall further. But they remain a safe bet in the medium term.

**Bid rumour boosts Portals shares**

Shares in Portals, the security and specialist paper maker, gained 6p to close at 77p following renewed market speculation about a possible bid by De La Rue, the banknote printer, writes Paul Taylor.

The two companies, which broke off earlier merger talks in May when they said they had been "unable to reach agreement on the terms of an offer", issued a joint statement yesterday afternoon in response to the sharp rise.

They said that although they continued to enjoy "an exceptionally close commercial relationship" De La Rue had "no present intention of making an offer for Portals without the recommendation of the Portals board".

However, the companies confirmed that, "following on from continued commercial contact between the two companies, De La Rue has recently suggested to Portals that discussions on ways in which their co-operation might be enhanced should include the possibility of De La Rue making an offer for Portals".

It was the sharp rise in Portals' shares in May that prompted the Stock Exchange to propose that trading in companies' shares should be suspended if there was evidence that price-sensitive information concerning those companies has been leaked.

The Stock Exchange scheme, unveiled in October, was the brainchild of Mr Michael Lawrence, the exchange's chief executive, and was prompted by concern to maintain an orderly market and minimise the effects of insider trading on investors' confidence.

Under Mr Lawrence's proposals, investors would be alerted to an exchange probe into a possible leak of price-sensitive information, and warned that they should take care before buying or selling, through a message on the exchange's Seaq trading screen.

Consultations over the proposals have been completed, although the new rules have yet to be implemented. Nevertheless, the Stock Exchange insisted yesterday that De La Rue and Portals' share prices on the Seaq quotation system were indicative only, pending the joint company announcement.

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**Prudential in £106m Canadian sale**

By Alison Smith

Prudential Corporation, the UK's largest life insurer, is to complete its departure from the Canadian insurance market by selling its life and savings businesses to the Mutual Life Assurance Company of Canada for about £106m (£106m) in cash.

The move follows disposals of other elements of its Canadian operations and of its Irish subsidiary.

Mr Mick Newmarch, Prudential chief executive, has made it clear that the group intends to concentrate on its preferred markets of the UK, North America and

the Far East.

Prudential said yesterday that before the sale, it was buying back from its Canadian businesses mortgages and bonds worth £331m (£144m) and other assets worth about £120m (£58m), which Mutual Life did not want to acquire. These will be sold over the coming months.

The transaction, which is unlikely to be completed before the beginning of March and is subject to regulators' approval, is expected to produce a small profit of between £10m and £20m for Prudential.

With £18.8bn assets at the end of last year, Mutual Life is one of the largest

Canadian life companies, while the net assets of the businesses Prudential is selling amounted only to £35m at the same time.

In a generally flat Canadian life insurance market, Prudential's gross premium income last year was £302m (£154m). Prudential believes that it will be better placed to expand in Canada through Jackson National Life, its US subsidiary, rather than by maintaining a very small presence through other operations.

The Canadian businesses contributed just 25m to Prudential's half-year pre-tax profits of £280m.

**Holmes & Marchant down 39% for year**

By James Whittington

Holmes & Marchant, the marketing services company, blamed difficult trading conditions and rationalisation costs for a 39 per cent fall in pre-tax profits from £1.25m to £764,000 for the year to September 30.

While the marketing sector as a whole generally picked up during the past year, many of Holmes' clients either cut or deferred expenditure and turnover fell 22 per cent to £26.3m (£32.5m).

Mr John Holmes, chairman and chief executive, said more than £3m of the decline was the result of product launch costs and rationalisation of its consumer advertising agency.

Shares closed 2p down at 83p. In July, when the company warned of a profits shortfall, shares fell 17p in a day.

Earnings per share fell to 2.6p (4.1p).

**Fletcher King falls into the red**

Reflecting the "severe downturn in activity in the commercial property market during late spring and summer", Fletcher King, the commercial estate agency, swung into the red in the six months to October 31.

Turnover for the period fell to £1.88m (£2.34m) and the loss before tax amounted to £59,000, against a profit of £74,000.

Losses per share were 6.9p (0.5p earnings), but the interim dividend is held at 0.5p.

**Taunton held back by price wars**

By David Blackwell

Taunton Cider sales were flat and profits down at the half-way stage, but the group has lifted the dividend as a sign of confidence in the long-term future of the market.

"There is evidence that the worst of the price war is over," said Mr Mick Pearson, finance director, yesterday.

Shares in the group shed 11p to 145p.

Pre-tax profits for the six months to October 30 fell from £1.1m to £1.04m on sales of £85.2m (£85.1m). Earnings per share fell from 6.9p to 6.7p, and the interim dividend is lifted from 2.65p to 2.8p.

The UK volume market for cider grew by almost 8 per cent in the first half, and Taunton "believes the rate of growth could be accelerating."

The group, which ended the half with £4.5m net cash, said its performance in the take-home sector was ahead of the market. It plans to spend £7m this year on packaging equipment, while a new plastic bottling line has started operating and a new canning line is expected to come on stream in the second half.

Sales of Dry Blackthorn were 10 per cent up and sales of Diamond White, recently launched as a canned drink, grew by 8 per cent. "Our brands are our key strength. They give us grounds for confidence as more and more consumers join the marketplace," Mr Pearson said.

**Metro Radio in talks with Minster Sound**

By Raymond Snoddy

Metro Radio, the Newcastle-based commercial radio group, is in talks to acquire Minster Sound, which operates radio stations in York and Scarborough.

Metro, which last week announced a near doubling of profit to £4.8m in the year to September 30, said yesterday it was in discussions with Minster "which may or may not lead to an offer being made for the whole of the issued share capital".

The approach is being judged friendly and a deal seems likely.

The acquisition would fill

another gap in Metro's coverage of north-east England. Minster launched on air in York in July 1993. It won an additional broadcasting licence for Scarborough and began broadcasting there a year ago.

After breaking even at the trading level in its first full year, Minster made a pre-tax profit of £154,000 on a turnover of £1.2m in the year to September 30.

The two largest investors in Minster are Radio Investments, which has a portfolio of stakes in commercial radio, and GWR, the Bristol-based radio group.

Minster shareholders were advised to do nothing ahead of a further announcement.

**Ross hit with £502,000 debt as Gemforce folds**

By James Whittington

The recent disposal of In-Flight Supply Services (International) by Ross Group, the consumer products and technical services company, has run into difficulties.

The purchaser, Gemforce, a private interest controlled by Mr Ross Marks, a founder and former executive director of Ross, has gone into voluntary liquidation leaving outstanding debts to Ross of more than £500,000.

Ross has had a number of problems in recent years arising mainly from loss-making companies it purchased on a £33m acquisition spree over three years up to 1992.

Yesterday its share price dropped by 15p to close at 5.5p. Gemforce paid an initial £225,000 in cash for In-Flight in October. Further payments were to include a yearly £100,000 in royalties for five

years, along with an extra £250,000. Mr Marks was also to assume responsibility for around £500,000 borrowings of In-Flight.

Ross said that discounting the royalty fee, a debt of £502,000 was outstanding from the sale but the company expected some recovery.

Ross reported profits of £15,000 in the six months to June 30.

**Creston Land**

Creston Land and Estates, property development and investment company, reported pre-tax losses of £202,000 for the year to June 30, against £842,000 last time. Turnover rose from £8.25m to £8.48m.

These are the first full-year results since the reverse takeover of Creston by Co-ordinated Land and Estates in June 1993.

This announcement appears as a matter of record only.

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December 1994

## CHARTER plc

NOTICE TO HOLDERS OF SHARE WARRANTS TO BEARER

At a meeting of the Board of Directors on 8th December, 1994 an interim dividend was declared of 7.5p per share payable on 29th January, 1995 to persons presenting coupon no. 4 detached from share warrants to bearer. Coupons, which must be left for four clear days for examination, may be lodged any weekday (Saturday excepted) between 10am and 3pm at Barclays Global Securities Services, 8 Angel Court, Throgmorton Street, London, EC2R 7HT, or at Credit Lyonnais, Centre de Valence, 10/14 Chemin du Thor, 26000 Valence, France. Listing forms may be obtained on application.

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8th December 1994

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## TRITON RESOURCES (UK) LIMITED

NOTICE IS HEREBY GIVEN FOR THE PURPOSES OF SECTION 178(2) COMPANIES ACT 1985 THAT:

- By a written resolution of all the shareholders in the above-named Company approved on 29 November 1994 the aggregate total payment out of capital of £7,883,270 for the purposes of acquiring 90,000 A Ordinary Shares of £1 each and the redemption of 1,121,948 B Ordinary Shares of £1 each from Triton Holdings (UK) Limited was authorised.
- The amount of the permissible capital payment as defined in sections 170, 171 and 172 of the Companies Act 1985 was £7,883,270, of which £290,400 is to be applied for the purposes of acquiring 90,000 A Ordinary Shares of the Company, and of which £7,592,870 is to be applied to the redemption of the 1,121,948 B Ordinary Shares.
- The statutory declaration of the directors of the Company and the auditors' report required by section 173 of the said Act are available for inspection at the Registered Office of the Company situated at Fitzroy House, 18/20 Gresham Street, London W1X 4DD.
- Any creditor of the Company may at any time within the period of the weeks immediately following 29 November 1994 (being the date of the above-mentioned special resolution) apply to the High Court under section 176 of the said Act for an order prohibiting the payment.

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## Expansion of ports activities proposed as profits reach £17m

## Powell Duffryn calls for £71m

By Roland Adair, Cardiff, Wales and West Coast Correspondent

Powell Duffryn is proposing to raise £70.7m net of expenses via a rights issue, to fund the acquisition of the shares it does not own in Teesside Holdings and Humberside Holdings.

The specialist engineering, distribution and storage company said the acquisition would fit in with the corporate strategy of expanding its ports activities.

Teesside Holdings, which owns Tees and Hartlepool Port Authority, is owned by a consortium of Powell Duffryn, Group and Humberside Holdings.

Humberside is owned equally by Powell Duffryn and the family of Mr John Holloway, chief executive of Tees-

side and a director of Humberside.

The 1-for-4 issue of 16.6m new ordinary shares is priced at 44p and has been underwritten by SG Warburg. The share price yesterday closed 26p down at 51p.

Powell Duffryn is planning a total investment of £88.4m, including an offer of £8.6m for the employees' 5 per cent holding in Teesside.

Mr Bill Andrews, chief executive, said about 350 employees were shareholders and, if they accepted a cash offer of £18.17 a share, the maximum any individual would receive would be about £20,000 before tax.

The group is planning to pay £88.4m for the acquisitions, of which £12m is in the form of loan notes, £7.5m in Powell Duffryn shares and the balance

in cash. In addition, the vendors of Humberside will receive a cash dividend of £7.5m.

The rights issue and acquisitions are subject to shareholder approval and an extraordinary general meeting will be held on December 23.

Powell Duffryn said its investment, made in early 1992, had been "extremely successful". Teesside made a pre-tax profit of £13.6m in the year to end-March.

Humberside Holdings, which runs services at east coast ports including Immingham, Hull and Grimsby, made a pre-tax profit of £6.7m in the year to end-March.

Mr David Hubbard, chairman, said pre-forma gearing after the rights issue would be about 30 per cent, which he

described as "very comfortable".

The group also announced an advance in pre-tax profits from £10.3m to £17m on turnover up by £8.8m to £254m for the six months to end-September.

The pre-tax outcome, however, included a profit of £2.2m (£5.7m deficit) from discontinued activities.

The interest charge was cut to £1.8m (£2.6m) and earnings came out at 17.5p (8.2p) - or 15p (14.1p) excluding exceptional items. The interim dividend is being raised to 5p (6.8p).

Mr Hubbard said: "With some exceptions, trading throughout the group continues to show the benefits of the steady improvement now evident in the UK and US economies."

## Kwik-Fit ponders on insurance

By Christopher Price

Kwik-Fit Holdings, the vehicle component group, yesterday confirmed that it was considering entering the car insurance market. The policies would be sold through a direct telephone sales service and underwritten by a number of insurers.

Mr Peter Holmes, sales and marketing director, said: "We are looking at the insurance market as one of a number of options. No formal decision has been taken yet." He added that the group expected to make an official announcement in the new year.

The move into the increasingly crowded market for direct insurance services will add further to the uncertainty currently pervading the insurance business.

The success of Direct Line, the insurance arm of the Royal Bank of Scotland which has taken about a 13 per cent share of the car market, has attracted other entrants, to the detriment of established groups such as the Automobile Association and Swinton Insurance.

## Low dividend depresses shares in Midlands Elec

By Peggy Hollinger

Shares in Midlands Electricity slipped 15p to 765p in spite of a 14 per cent increase in interim pre-tax profits and a 22 per cent rise in the dividend.

The lower than expected dividend increase helped depress the shares; however, the sector was affected by the Tory rebellion over VAT on fuel.

Analysts said Midlands' capacity to increase the payout had been restrained by negotiations with the government over the sale of the National Grid, in which Midlands has a 9.2 per cent stake. "They could not have put in stronger dividend growth while negotiating the issue of customer rebates on the Grid floor," said one.

Mr Bryan Townsend, chairman, was guarded about the possible benefit to shareholders and customers of the flotation but said that Midlands would "wherever possible pass the benefits to shareholders".

An announcement on the method of disposal was likely in January, he said. Flotation, expected to value the Grid at more than £4m, was likely in May or June.

The results overall were at the top end of expectations. Shares in Midlands Electricity slipped 15p to 765p in spite of a 14 per cent increase in interim pre-tax profits and a 22 per cent rise in the dividend.



Bryan Townsend: guarded about Grid flotation benefits

Pre-tax profits rose from £39.5m to £102.4m for the half-year to September 30 on sales down from £235.5m to £231.6m.

The restructuring of the core business announced in September was progressing well. Midlands expected 500 of the targeted 1,200 job losses to be completed by the end of the year. During the first half, before restructuring benefits, costs had fallen by 3.9 per cent.

A strong distribution performance and higher interest rates helped improve profits. The operating return from distribution rose 15 per cent to 27.6m, owing to strong unit

growth and cost control. Industrial and commercial demand showed a 3 per cent increase. Supply profits were steady at £17.5m, in spite of tougher price controls.

Losses in the non-regulated businesses deepened from £300,000 to £2m, after increased development spending in its power generation projects and with a competitive gas market.

Earnings were 4p higher at 34.1p and the dividend rises from 7.56p to 9.2p.

## COMMENT

Excluding the effects of the £154.5m share buy-back in October, the underlying increase in the dividend was a disappointing 10 per cent. However, the market should have realised that Midlands, whose chairman is leading negotiations on the Grid floor, would find it politically difficult to unveil a bigger increase. Once the negotiations are out of the way, it has substantial scope to push dividend growth. Its strong balance sheet and high dividend cover give it plenty of room for manoeuvre. Forecasts are for profits of £120m and a dividend of 38.3p, giving a yield of 4.6 per cent, a slight premium to the sector.

## Halifax schedule slips for deal with BNP

By Alison Smith

The schedule for Halifax Building Society to buy the UK mortgage business of Banque Nationale de Paris has slipped by about a month, and the deal is now unlikely to be completed until late January or early February next year.

The total of outstanding mortgages in the BNP business is also slipping and will probably amount to about £14bn when the deal is concluded, compared with the £15.5bn it represented when the negotiations were announced in August.

However, this still amounts to almost 0.5 per cent of the total UK mortgage market, where Halifax is already the UK's largest mortgage lender. The society's proposed

merger with Leeds Permanent, the UK's fifth largest society, would give it about 20 per cent of the total.

Mr Dick Spelman, marketing general manager at Halifax, said that all the main negotiations had been completed satisfactorily, and the remaining task was to agree the detail of the sale and purchase arrangements.

# MEB

## Midlands Electricity plc

### INTERIM RESULTS FOR HALF YEAR ENDED 30 SEPTEMBER 1994

| Statement of total recognised gains and losses  |                      |                        |                     |
|---|----------------------|------------------------|---------------------|
| There are no recognised gains and losses for the half year other than the profit for the period of £22.8m (1993: £23.1m). |                      |                        |                     |
|   | At 30/9/94 (Audited) | At 30/9/93 (Unaudited) | 30/9/92 (Unaudited) |
| £m  | £m                   | £m                     | £m                  |
| Fixed assets  | 628.5                | 621.6                  | 677.1               |
| Intangible assets   | 124.2                | 128.5                  | 125.0               |
| Investments   | 732.7                | 760.1                  | 702.1               |
| Current assets  | 103.3                | 12.1                   | 9.8                 |
| Stocks  | 289.0                | 228.9                  | 224.4               |
| Debtors   | 212.4                | 268.2                  | 10.2                |
| Short term deposits   | 31.9                 | 47.9                   | 27.2                |
| Cash at bank and in hand  | 520.5                | 588.1                  | 358.6               |
| Overheads (Amounts falling due within one year)   | (57.3)               | (67.8)                 | (40.1)              |
| Other creditors   | (378.7)              | (398.2)                | (292.7)             |
| Net current assets  | (417.0)              | (444.8)                | (305.8)             |
| Total assets less current liabilities   | 103.5                | 113.5                  | 46.6                |
| Overheads (Amounts falling due after more than one year)  | (45.9)               | (39.2)                 | (30.2)              |
| Provisions for liabilities and charges  | (33.9)               | (31.6)                 | (36.8)              |
| Minority interests  | (0.5)                | (0.6)                  | (0.4)               |
| Net assets  | 758.4                | 811.2                  | 710.9               |
| Capital and reserves  | 105.9                | 105.9                  | 104.9               |
| Called up share capital   | 4.2                  | 4.2                    | 4.2                 |
| Share premium account   | 648.4                | 700.9                  | 605.9               |
| Profit and loss account   | 758.4                | 811.2                  | 710.9               |
| Shareholders' funds   | 758.4                | 811.2                  | 710.9               |

| Group Cash Flow Statement   |                              |                                     |                     |
|---|------------------------------|-------------------------------------|---------------------|
| (Historical Cost)   |                              |                                     |                     |
|   | Year Ended 31/3/94 (Audited) | Half Year Ended 30/9/94 (Unaudited) | 30/9/93 (Unaudited) |
| £m  | £m                           | £m                                  | £m                  |
| Net cash inflow from operating activities                             | 527.3                        | 119.9                               | 189.8               |
| Balance on investments and servicing of finance                       | 6.5                          | 4.2                                 | 0.9                 |
| Interest received   | (1.3)                        | 3.3                                 | (0.3)               |
| Interest paid   | (12.7)                       | (3.9)                               | (2.8)               |
| Dividends received  | (44.2)                       | (22.8)                              | (28.9)              |
| Dividends paid  | (27.2)                       | (25.9)                              | (28.9)              |
| Net cash outflow from returns on investments and servicing of finance | (44.0)                       | (24.4)                              | (59.0)              |
| Financing activities  | (95.9)                       | (44.9)                              | (26.9)              |
| Long term   | 13.4                         | 6.8                                 | 5.1                 |
| Customer contributions  | 2.0                          | 5.8                                 | 5.1                 |
| Receipts from sales of fixed assets                                   | (10.8)                       | (2.8)                               | (2.8)               |
| Loans to associated undertakings                                      | (84.5)                       | (10.5)                              | (21.3)              |
| Payments to acquire fixed assets                                      | (1.1)                        | (0.1)                               | (0.1)               |
| Other cash outflows from investing activities                         | (1.2)                        | -                                   | -                   |
| Net cash outflow from long term investing activities                  | (117.6)                      | (58.0)                              | (67.9)              |
| Net cash outflow from financing activities                            | (20.3)                       | (75.8)                              | -                   |
| Net cash outflow from investing activities                            | (168.2)                      | (100.8)                             | (67.9)              |
| Net cash (outflow)/inflow before financing                            | 117.9                        | (18.1)                              | 94.3                |
| Financing   | (75.8)                       | -                                   | (75.8)              |
| Repayment of Government debt  | 1.0                          | 0.1                                 | 0.0                 |
| Issue of share capital  | 4.1                          | 0.2                                 | 0.0                 |
| New borrowings of over three months maturity                          | 2.9                          | (3.9)                               | -                   |
| Net cash (outflow)/inflow from financing                              | (67.0)                       | (75.8)                              | (75.8)              |
| Net cash (outflow)/inflow in cash and cash equivalents                | 50.9                         | (20.7)                              | 18.3                |

| Profit Analysis by Business                               |                              |                                     |                     |
|---|------------------------------|-------------------------------------|---------------------|
| (Historical Cost)   |                              |                                     |                     |
|   | Year Ended 31/3/94 (Audited) | Half Year Ended 30/9/94 (Unaudited) | 30/9/93 (Unaudited) |
| £m  | £m                           | £m                                  | £m                  |
| Operating Profit  | 167.8                        | 62.5                                | 60.7                |
| Income from fixed asset investments                       | 26.5                         | 9.4                                 | 8.5                 |
| Net profit/(loss) attributable to associated undertakings | 0.3                          | (0.3)                               | 0.3                 |
| Profit on ordinary activities before taxation             | 194.6                        | 68.2                                | 69.5                |
| Net interest receivable                                   | 3.8                          | 4.2                                 | 0.0                 |
| Profit on ordinary activities before taxation             | 198.4                        | 72.4                                | 69.5                |
| Tax on profit on ordinary activities                      | (28.0)                       | (20.2)                              | (28.4)              |
| Profit on ordinary activities after taxation              | 170.4                        | 52.2                                | 41.1                |
| Minority interests  | (0.2)                        | 0.2                                 | 0.0                 |
| Profit for the period                                     | 170.2                        | 52.2                                | 41.1                |
| Dividends   | (48.2)                       | (17.7)                              | (18.0)              |
| Profit retained   | 122.0                        | 34.5                                | 23.1                |
| Dividends per ordinary share                              | 65.2p                        | 34.1p                               | 30.1p               |
| Profit retained per ordinary share                        | 55.2p                        | 28.3p                               | 7.8p                |

Chairman Bryan Townsend said: "Midlands Electricity has performed well in the first half of the year, with further strong growth in the volume of electricity distributed. We have continued to benefit from the improving West Midlands economy.

In September we announced restructuring plans, following the Distribution Review, which are designed to reduce annual costs by £20m. Considerable progress has already been made and we are confident of achieving our target. During the half year, and prior to any impact of restructuring, costs fell by a further 3.9%. Domestic customers continued to benefit from low prices. A further reduction of 2% from April 1994 followed the 4% reduction in average domestic prices in the previous year. In addition, the average unit price in the non-franchise market, mainly industrial customers, also fell, reflecting the continuing impact of competition in that sector.

In October the Company successfully re-purchased 10% of its share capital at a cost of £154.5m. Cash has remained strong and we have maintained a healthy net cash position following the share buy-back. This has enabled us to raise the interim dividend from 7.56p (1993: 7.56p) to 9.2p net. The resulting dividend payment of £17.7m is 10.6% higher than in the previous year. The increase in dividend per share also reflects the effect of the share repurchase which benefits all our shareholders. The absolute level of increase in dividend payment together with the reduction in the number of shares in issue results in a 21.6% improvement in dividend per share.

The Company currently owns 9.2% of the National Grid Company. No decision has been taken over the future of the company, however good progress is being made. Our intention, subject to the agreement of satisfactory terms, is to pass on the benefit to shareholders and customers.

**FINANCIAL REVIEW**  
Operating profit for the half year rose by 11% to £50.9m from £45.8m on a turnover of £221.2m. Turnover fell slightly from £225.5m in the corresponding period last year, reflecting lower franchise tariffs. A substantial increase in electricity sales has been achieved, with a 10% increase in sales in operating profit. Profit also benefited from continued reductions in overheads.

Income from investments and associated assets at £26.5m (September 1993: £26.5m) remained constant. Net interest receivable was £3.8m for the half year (September 1993: £3.8m). In the pre-tax profits by 14.4% to £102.4m from £88.0m for the half year to September 1993. The effective tax rate remained at 29.5%.

**Balance Sheet and Cashflow**  
There was a net inflow of funds of £50.9m (including increase in deposits over 3 months) for the half year after capital expenditure of £44.5m. Net funds in hand at 30 September 1994 amounted to £225.5m and debtors reduced by £55.1m during the half year.

**Interim Dividend**  
The Directors have declared an interim dividend of 9.2p (net) per ordinary share which will be paid on 24 March 1995 to shareholders on the Register of Members on 2 February 1995.

**Trading Review**  
The West Midlands economy continued to enjoy a strong manufacturing-led recovery during the first half of 1994/95 and operating profits in the core regulated business rose by 11.4% to £50.9m. Distribution operating profits rose by 14.6% to £28.1m from £24.4m due to a combination of strong unit growth and rigorous control of overhead costs. There was an increase in units distributed of 3.0% and the number of customers connected to the network grew by 10,079. Industrial and commercial sales growth has been particularly strong, each sector showing an increase of 3.2% on the previous first half. Domestic sales grew by 2.4%.

Supply profits at £17.5m (on a reduced turnover of £55.8m) held up despite operating to the new price control introduced on 1 April this year. The successful introduction of our Powerflex banding for non-franchise supply sales has contributed to this performance (an increase of 1,237 sales throughout England and Wales). All suppliers are currently experiencing difficulty over water collection and these problems are being addressed nationally.

Since the half year we have made considerable progress in the restructuring programme announced in September, which will result in annual cost savings of £20m. This programme is a natural extension of the cost reduction programme which we have been carrying out for a number of years. Our new operating structure, with four Regions replacing the six Districts, will be fully operational from 1 April 1995. We are confident of achieving the necessary staff reductions on a voluntary basis.

We have continued our programme of maintenance and improvements within the distribution network, investing £28.5m in the half year. Installation of our new Customer Service System remains on target for completion in 1995. We remain committed to providing a consistently high standard of customer service.

**Unregulated Businesses**  
We made further investments in our generation business, Central Power, in line with our established policy of cautious expansion in this activity. We are particularly pleased with our planned £11m investment for a 25% stake in the Humberside Power Project announced in September. As in which it arises. However, the good performance of our existing stations offsets most of that investment expenditure. In consequence, at the half year point Central Power had made an operating loss of £2.5m compared with a £1.2m loss in the same period of 1993/94.

Midlands Gas achieved a substantial increase in market share with a 21% increase in turnover. In a very competitive market, tight margins resulted in a small operating loss at the half year of £0.1m compared with £0.1m profit in the first half of last year. The business is now well positioned to take advantage of the opportunities of the domestic market should our examination of the Government's proposals reveal a real opportunity.

MEB's share of the operating loss of Powerhouse (the retailing joint venture with Epsom Group and Central Electricity) was £0.7m compared with a loss of £0.5m in the corresponding period last year. MEB's continuing loss of £0.7m compared with a loss of £0.5m in the corresponding period last year. MEB's continuing loss of £0.7m compared with a loss of £0.5m in the corresponding period last year.

**PROSPECTS**  
The outlook for the growth in demand for electricity remains positive for the coming year as the West Midlands continues to benefit from the upturn in economic growth. We are pleased with progress on restructuring the distribution business and should continue to benefit from a strong supply business. We have every confidence that these improvements will be fully reflected in our year and position.

We continue to develop a conservative and selective strategy for unregulated earnings, concentrating on the expansion of our generation interests and remain committed to returning value to our shareholders. The outcome of the Distribution price review earlier this year reflects, we believe, an appropriate balance between the interests of customers and shareholders. The stability provided by the review, together with the strength of our balance sheet, gives us every confidence that we can continue to satisfy both our shareholders and customers.

**Interim results for the half year ended 30 September 1994**  
(Historical cost)

|   | Year Ended 31/3/94 (Audited) | Half Year Ended 30/9/94 (Unaudited) | 30/9/93 (Unaudited) |
|---|------------------------------|-------------------------------------|---------------------|
| £m  | £m                           | £m                                  | £m                  |
| Operating Profit  | 167.8                        | 62.5                                | 60.7                |
| Income from fixed asset investments                       | 26.5                         | 9.4                                 | 8.5                 |
| Net profit/(loss) attributable to associated undertakings | 0.3                          | (0.3)                               | 0.3                 |
| Profit on ordinary activities before taxation             | 194.6                        | 68.2                                | 69.5                |
| Net interest receivable                                   | 3.8                          | 4.2                                 | 0.0                 |
| Profit on ordinary activities before taxation             | 198.4                        | 72.4                                | 69.5                |
| Tax on profit on ordinary activities                      | (28.0)                       | (20.2)                              | (28.4)              |
| Profit on ordinary activities after taxation              | 170.4                        | 52.2                                | 41.1                |
| Minority interests  | (0.2)                        | 0.2                                 | 0.0                 |
| Profit for the period                                     | 170.2                        | 52.2                                | 41.1                |
| Dividends   | (48.2)                       | (17.7)                              | (18.0)              |
| Profit retained   | 122.0                        | 34.5                                | 23.1                |
| Dividends per ordinary share                              | 65.2p                        | 34.1p                               | 30.1p               |
| Profit retained per ordinary share                        | 55.2p                        | 28.3p                               | 7.8p                |

Notes to the Interim Results for the half year ended 30 September 1994

1. Basis of preparation  
The unaudited interim results for the half year ended 30 September 1994 have been prepared under the historical cost accounting convention and on the basis of the accounting policies set out in the Directors' Report and Accounts for the year ended 31 March 1994.

2. Share buy back  
The financial information contained in this interim statement does not amount to statutory accounts within the meaning of Section 205 of the Companies Act 1985. The results for the year 1993/94 are audited by the auditors for that year, which contains an unqualified report, and have been delivered to the Registrar of Companies. The half year results have not been audited.

3. Taxation  
Taxation for the half year ended 30 September 1994 has been provided on the basis of the estimated effective rate for the half year.

4. Share buy back  
Details per ordinary share of 34.1p (1993: 30.1p) have been calculated by dividing the profit for the period after minority interests by the average number of ordinary shares in issue during the period.

5. Dividends  
The directors have declared an interim dividend of 9.2p (net) per ordinary share for payment on 24 March 1995 to shareholders on the register at close of business on 2 February 1995.

**MEB**  
Midlands Electricity plc

## Real Time more than doubled

Shares in Real Time Control, which develops and supplies epos systems, rose 16p to close at 179p yesterday, as the company reported interim pre-tax profits more than doubled from £494,000 to £1,050,000.

Turnover for the six months to September 30 showed a similar increase, rising from £3.58m to £4.49m. Earnings per share came out at 12p (4.1p).

Mr Byron Carrell, chairman, said the company was well positioned to take advantage of the improving business climate in the UK. He added that, while performance in the second half was unlikely to duplicate that of the first, he was confident the full-year results would show good progress.

## Surrey back in black

Surrey Group, the USM-traded licensed bookmaker, returned to the black at the interim stage with pre-tax profits of £45,000. The figure compares with a £57,000 loss last time and a £282,000 deficit at the year-end.

Turnover for the half-year to September 30 was 13 per cent ahead at £24.5m (£20.5m). Earnings per share were 0.04p (0.04p losses). Mr John McNeil, chairman, said the benefits from the £2.1m rights issue and placing in July would be felt in the second half.

## Shaftesbury jumps

Shaftesbury, the property concern, more than doubled full year pre-tax profits from £1.01m to £2.35m, helped by lower interest charges and an exceptional credit of £433,000 this time on the termination of an interest rate swap agreement.

Turnover for the year to September 30 reached £9m (£8.96m), while net profits grew

## NEWS DIGEST

to £2.32m (£963,000) after a tax refund of £485,000 (£49,000 charge). Earnings per share were 5.8p (3.5p) and a dividend of 1p has been declared.

The group's investment properties were valued at £77.1m - a net surplus of £4.67m. Shareholders' funds at the year end totalled £48.6m (£41.7m).

## E Surrey at £3.42m

Interim pre-tax profits at East Surrey Holdings, the water supply, property and building supplies group, were 10 per cent ahead at £3.42m, compared with £3.11m last time.

Turnover for the half-year to September 30 rose 4 per cent from £12.6m to £13.1m. Earnings per share came out at 21.5p (21p) and the interim dividend rises to 5p (4.3p).

## Northern Investors

Northern Investors, the Newcastle-based venture capital investment trust, reported net asset value per share up 1.3 per cent from 333.5p to 339p over the six months to September 30, compared with a 3.3 per cent fall in the benchmark FT-SE-A All-Share Index.

Net revenue for the half year was £118,000 (£104,000) for earnings per share of 3.2p (2.8p). The interim dividend is unchanged at 1.5p.

## Creighton's slips 6%

Interim pre-tax profits at Creighton's Natural, the toiletries and fragrances company, dropped 6 per cent from £219,000 to £273,000, on turnover 3 per cent down from £4.85m to £4.72m.

Operating profits for the half year to September 30 fell from £293,00



## COMPANY NEWS: UK

## US performance helps lift Ransomes to £6m

By Geoff Dyer

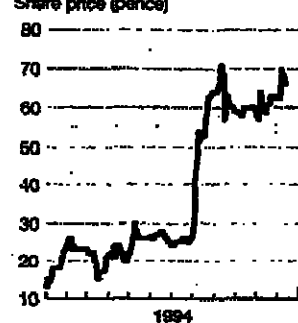
The turnaround at Ransomes, the manufacturer of grass-cutting equipment and specialist industrial trucks, continued yesterday with the announcement that it made a pre-tax profit of £6.11m in the nine months to September 30.

The profits were the result of cost reductions and an improved performance in the US and came after Ransomes made a loss of £8.33m in the year ended December 31. The group has changed its reporting period to reflect the seasonality of its business.

Turnover for the nine-month period was £132m (£186m) and earnings per share was 1p against a loss of 25.9p. Operating profit increased from £2.33m to £14.4m. However, operating profit for the three months to September, the slowest period of the year, was £1.67m, less than the inter-

## Ransomes

Share price (pence)



Source: FT Graphite

est charge of £2.46m.

There is no ordinary dividend and the company is still one payment in arrears on the dividends from its preference shares. Net debt fell to £72.8m (£75.3m) giving the group gearing of 508 per cent.

Mr John Clement, chairman, said: "If we can maintain a

period of stability, we can then set about restructuring the balance sheet."

The group made a profit of £690,000 on property sales, which are being used to lower debt levels. In November it changed contracts with Sears Property Developments for the £8.55m sale of part of the European site.

Sales in North America improved to £84m (£72m), reflecting strong demand for Cushman trucks and operating profits from the commercial division advanced to £11.5m (£4.38m).

The consumer division recorded profits of £2.19m (£3.80m) because of poor market conditions and a movement towards the group's lower margin products.

The group hopes to make savings of £1m a year from the new banking arrangements it has agreed with Barclays and NatWest.

## Spending increases loss at Bell Cablemedia

By Raymond Snoddy

Bell Cablemedia, now the UK's third largest cable operator, made net losses of £18.7m for the nine months to the end of September, compared with a £3.6m loss last time.

The increased deficit reflects the accelerating pace of investment and development, with capital expenditure for the period increasing from £28m to £33.7m. Equity cable subscriptions were up by 37,535 and equity telephone lines by 36,653.

The equity subscription concept is used by the cable industry to aggregate minority stakes in cable franchises so that the equity total reflects 100 per cent ownership.

Operating revenue for the third quarter grew to £5.66m, compared with £1.36m.

Bell Cablemedia, which floated last year on NASDAQ in New York and plans to seek a London listing, now manages 18 franchises in the UK and has a 30.6 per cent stake in Videotron's 10 franchises.

The company's main shareholders are Bell Canada International, the Canadian telecommunications group, Jones Interable, the US cable operator and Cable and Wireless, the London based telecommunications company.

Mr Alan Bates, Bell Cablemedia chief executive, said the results reflected the "heavy investment phase we are currently in". Following the debt and equity fund-raising the company's cash balance was £253.5m at the end of September.

## London Clubs at £16.3m as attendance rises 16%

By David Blackwell

London Clubs International, the London casino operator, declared a maiden interim dividend of 4.25p as profits rose 17 per cent.

The group, which owns the Ritz and five other London casinos, announced pre-tax profits for the six months to September 25 ahead from £13.9m to £16.3m. Turnover increased by 4.7 per cent to £81.7m (£78m).

Pro forma earnings per share were 16.5p, up from 16p. Fully diluted earnings per share were 20.2p (20.1p).

The shares, floated at 200p, closed at 255p, up 3p.

The increase in pre-tax profits reflects sharply lower interest payments of £1.8m, down from a previous £3.18m, following the flotation, which raised £27.5m net of expenses. Profits before interest were lower at £18.1m, compared with £19.1m.



Alan Goodenough: a much better balance of business

Mr Alan Goodenough, chief executive, said the fall in profit before interest had been expected, as the previous figure included an exceptional performance at the Ritz. The figures had been flattened by a high incidence of high rollers, and

the group's win percentage was much higher than normal. "We are very pleased to have got so close to the previous figure from a much better balance of business," he said.

The Ritz and Les Ambassadeurs - the two up-market operations - contributed 69 per cent of the interim profits, compared with 84 per cent.

Following changes in gaming legislation, the group is introducing two new games next year - Super Fan 9 and a variation of stud poker. Mr Goodenough believes the addition to the traditional roulette, Punto Banco and Blackjack will help to increase attendances, which were 16 per cent ahead for the half.

The group is also extending the casino in Tabu, opened in June on the border between Israel and Egypt, and has signed a concession for a casino at Hurghada, on the Red Sea coast, to open early next year.

## Eldridge Pope ahead 50% despite fall in sales

In spite of a fall in turnover from £12.7m to £12.1m, Eldridge Pope, the USM-quoted brewer and wine merchant, reported annual pre-tax profits ahead 50 per cent at £3.64m, against £1.76m.

The result for the year to September 30 was helped by lower finance charges of £1.05m (£1.63m) the result of lower borrowings and interest rates.

The fall in turnover was the result of selling its beer wholesaling business in July last year.

The Hovepubs, acquired in the summer, contributed operating profits of £164,000 to a total of £3.95m from turnover of £1.54m.

Earnings per share came out at 11.6p (8.6p) and the proposed final dividend is raised to 2.5p for a total of 4.1p (3.5p).

## Rolls-Royce on course to conclude Mercedes deal

By John Griffiths

Rolls-Royce Motor Cars, the Vickers-owned luxury car maker, expects to meet its target of concluding an engine supply deal with Mercedes-Benz of Germany before the end of this year.

Mercedes will supply its 6 litre V12 engine and possibly some other components to Rolls-Royce under an agreement now in the final stages of negotiation. "We can't say yet

that a deal has been concluded and we have made no plans for an announcement this week," Rolls-Royce said. "However, talks are at a very advanced stage."

The company, based in Crewe, Cheshire, has been negotiating with Mercedes for nearly a year, although it has never formally identified the Stuttgart concern as the potential supplier of the engine to replace Rolls' own 6.75 litre units.

The current engines used in Rolls-Royce and Bentley cars are derived from a Crewe-produced unit launched by the company in 1958 and updated substantially.

The Mercedes engine, launched in 1991, is currently produced at a rate of only 3,500 units a year. The potential extra output of more than 1,500, which could arise from supplying Rolls-Royce, could improve economies of scale substantially.

## Merseybus value surges to £10m

By Ian Hamilton Fazey, Northern Correspondent

Some 2,200 bus drivers and mechanics who bought their loss-making company from Mersey-side's passenger transport authority for only £1 as part of bus privatisation two years ago have learned that it is now worth about £10m.

The latest assessment of the value of MTL Trust Holdings - known best as Merseybus - by Coopers & Lybrand puts each share at £12.78. This means the average holding is worth nearly £4,000.

The company - which has since become Britain's fifth largest bus operator - is owned by its employees. Losses were £5m on annual turnover of £50m shortly before its sale, when employees were given 250 shares worth 1p each, plus two extra shares for every year of service.

Financial turnaround has seen annual profits running at about £1m with £10m a year being spent on new buses. MTL bought London Northern, one of the 10 companies created to privatise London Transport's buses, for £20.5m in October.

## Caffyns margins under pressure

A difficult market for new cars in the south east, with margins under pressure, led to a fall in interim pre-tax profits of Caffyns, the motor dealer, from £830,000 to £338,000.

Turnover rose 9 per cent to £81.4m (£74.7m) for the half year to September 30.

Earnings per share fell from 15.8p to 7.2p, but the interim dividend has been held at 6p.

## Morris Ashby rises 30%

A 30 per cent increase in interim pre-tax profits, from £839,000 to £1,093m, was reported by Morris Ashby, the USM-quoted decessing and machining group.

The outcome for the half-year to September 30 was achieved on turnover up by £2.32m to £13.5m, with the bulk of the increase coming from the motor car, commercial vehicle and machine tool sectors, according to Mr Norman Gardner, chairman.

The domestic appliance sector had been the only significant downturn, he added.

Earnings came out at 6.7p (6.3p) per share, and the interim dividend is raised to 2.2p (2p).

## Crossroads Oil

Crossroads Oil, the USM-quoted oil and gas exploration company, reported pre-tax profits of £1.21m for the year to June 30, against a loss

of £1.52m for the previous 15-month period.

Turnover, helped by a £1.48m contribution from the group's recently acquired interest in the Melrose/Crossroads joint venture, improved from £52,123 to £1.71m.

Earnings emerged at 1.62p per share (3.54p losses), and a first and final dividend of 0.2p is proposed for the year. The directors said it was their intention to seek a listing in the course of the current year.

## Northamber rises

The recent tentative improvements seen by Northamber, the computer peripherals distributor, accelerated during the six months to October 31 helping it to pre-tax profits of £536,000, against losses of £54,000.

Turnover rose 63 per cent to £74m (£45.7m) and the company has decided to introduce an interim dividend with a 0.5p payment from earnings per share of 2.07p (losses 0.3p).

## Manakin

Manakin Holdings, the investment trust which has been in members' voluntary liquidation

## NEWS DIGEST

tion since 1991, had a net asset value of 47p per share at October 15, against 82p a year earlier.

Capital distributions of 38p were made during the year making a total returned to date of 380p, at a cost of £77.9m. After-tax loss for the year was £557,102 (£435,445) and deficit per share came to 2.7p (2.1p).

## Marley US deal

General Shale Products, the US subsidiary of Marley, has acquired two concrete block manufacturing plants from Bristol Steel for \$3.8m (£2.31m) in cash.

The acquisitions, Bristol Concrete Products Corp and Tri-State Concrete Company, are situated in Bristol, Virginia, and Kingsport, Tennessee, close to two of General Shale's existing concrete block operations.

## Chesterfield Props

Chesterfield Properties has acquired the Castle Centre in Stockton-on-Tees, Cleveland, for an undisclosed sum.

Built in the early 1970s, the Castle centre contains 275,000 sq ft of retail space, a 125 room

hotel let to Swallow Hotels and nearly 1,000 car parking spaces. Castle represents 30 per cent of Stockton's total retail floor space and two thirds of its central area parking.

## Wrexham Water

Wrexham Water reported pre-tax profits of £2.22m for the six months to September 30, against £1.74m. Turnover was up from £5.82m to £5.78m.

Earnings per share were 13.67p (12.08p) and the interim dividend is 3.6188p (2.4225p) per ordinary and 3.5834p (2.3875p) per non-voting ordinary.

## Drew Scientific

Drew Scientific, the medical technology company, incurred a pre-tax deficit of £315,000 in the six months to September 30, against a loss of £811,500 in the comparable period.

Last year's losses - which amounted to £1.49m for the year - resulted from problem encountered with the GI, comat testing equipment which led to the product being temporarily suspended.

Sales for the latest 3 months amounted to £431,0 (£430,000).

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Regular contact with your sponsored child is rewarding. For more details as to how you can help to sponsor a child, just send your name and address (no stamp needed) to:  
Rev. Fr. Raymond A. Brennan, C.S.B., Pattaya Orphanage, Trast, DEPT. FTU101294CU FREEPOST, London W14 0BR.  
Tel: 071-602 6203, FAX 071-603 6468 (No Stamp Needed)

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Notice of appointment of Administrators  
O. Thomas Limited, Registered number: 234623. Name of last known beneficial shareholder: Construction Specialists. Trade classification: 41.  
Headline Limited, Registered number: 1587941. Name of last known beneficial shareholder: Construction Specialists. Trade classification: 41.  
Solutions Limited, Registered number: 381457. Name of last known beneficial shareholder: Heavy Street Limited. Name of last known beneficial shareholder: Heavy Street Limited. Trade classification: 41.  
Tribune Properties Limited, Registered number: 442794. Name of last known beneficial shareholder: Construction Specialists. Trade classification: 41.  
Date of appointment of administrators received: 22 November 1994. Name of person appointing the administrators received: National Westminster Bank Plc. Appointees Nigel Wright and Timothy Richard Harris, Joint Administrators, Reception Office holder Vex 6339 and 2129. Address: Coppen & Lybrand, 188 Regent House, 25 Old Bailey, London EC4A 3TL.

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WEDNESDAY 11 FEBRUARY

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The fall in the price of tigers is a result of a second of selling the skins last year.

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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## COMMODITIES AND AGRICULTURE

## Inco cautious on 'abnormal' nickel market

By Bernard Simon in Toronto

The unusual factors that have recently thrown the nickel market into turmoil are reason to be cautious on the outlook for nickel prices, according to Inco, the western world's biggest producer.

In a presentation to analysts at the company's head office in Toronto, Inco executives pointed mainly to a surge in stainless-steel production and the uncertainty of Russian supplies. "It's an abnormal situation," said Mr Michael Sopko, chief executive.

The LME cash nickel price has more than doubled in the past year to around US\$4 a pound. The latest surge mainly reflects uncertainty about supplies from Norilsk of Russia, the world's biggest producer. The three months delivery position at the London Metal Exchange surged by \$1,200 last week and leapt another \$637.50 to a 4 1/2-year high of \$9,600 a tonne at one stage on Monday. A reaction then set in, however, and by yesterday's close the price was back to \$8,775 a tonne.

Inco forecast that Russian

production would decline to 152,000 tonnes this year from 182,000 in 1993, with a further significant drop possible in 1995.

Mr Ivor Kirman, marketing director for Inco Europe, emphasised that accurate information on Norilsk was hard to come by. He said however, that a "significant" portion of Russian exports over the past two years appeared to have come from stockpiles.

Inco forecast that world stainless steel production, which accounts for 63 per cent of nickel consumption, will climb to 13.4m tonnes in 1995, from 12.6m this year.

The recovery has been especially strong in Japan, where stainless-steel output has been running at record levels in recent months.

The Canadian group, which supplies about a third of the western world's nickel, plans to lift its own output to 430m lb in 1995 from an estimated 345m this year. Production has been denied this year by market-related shutdowns, as well as a series of mishaps at Inco's mines in Ontario and Manitoba.

## Lure of gold outweighs political risks of Tajikistan

Steve LeVine in Dushanbe and Kenneth Gooding in London report on a joint venture using foreign capital in the central Asian republic that is expected to be producing to ten tonnes a year by 1998

Tajikistan's first gold joint venture using foreign capital hopes to be producing ten tonnes (321,500 troy ounces) a year by 1998, against the country's previous peak gold output of 2.5 tonnes.

Like many other mining projects in the former Soviet Union, this venture involves a small western company - British & Commonwealth Minerals. It has 49 per cent operating control of the joint venture that has won the rights to an area in the Central Asian nation's Zhetysay Valley containing two mines, both fully-developed, a treatment plant and proven and probable gold reserves estimated at 16m ounces (497 tonnes).

The Tajikistan government, which owns the rest of the joint venture, is contributing the exploration rights and about \$500m worth of infrastructure and mining equipment, much of it new, remaining after the former Soviet Union collapsed three years ago.

European and Canadian investors last month provided US\$40m towards the venture. This was raised by London-based T. Hoare for Nelson Trade & Finance, a Toronto-based company that once financed the controversial Hollywood movie, 9½ Weeks. This financ-

ing scheme resulted in Nelson, which previously owned 25 per cent of CBM, taking full control. Mr Richard Northcott, chairman of Nelson, said that after costs and payments to the estate of Mr Cameron Glover,

over half the former Soviet Union's minerals wealth. Tajikistan itself not only offers gold but has large deposits of silver, antimony and boron. Mineral specialists ask a number of questions about

'You can cut a deal with this government. Whether they honour it is another question. . . They haven't really been put to the test yet'

who set up CBM and died recently in an air accident in Argentina, about \$30m was available for the Tajik venture.

Mr Northcott said that, when more equity funding was needed, Nelson would consider applying for a London stock exchange quotation.

In the meantime, both the International Finance Corporation, the World Bank offshoot, and the European Bank for Reconstruction and Development had been approached to provide debt capital.

The joint venture seems likely to be followed by a spate of other mineral deals involving western companies in Central Asia, whose five republics are estimated to contain well

working in Central Asia, issues faced by a multitude of western energy groups that have established local offices.

The main issue will probably be political risk - will cash-poor nations like Tajikistan ultimately allow their mineral wealth to be exported, and if they don't, will they have the money to develop it themselves?

A second question is whether Russia, which has been blocking the region from exporting its natural gas and oil, will allow Central Asia to develop its natural wealth independently.

Western officials in Tajikistan's capital, Dushanbe, tend

to give the Tajik government the benefit of the doubt, but stress that it is too early to be sure. "You can cut a deal with this government. Whether they honour it is another question," said one western analyst. "They haven't really been put to the test yet."

Russia's reaction to all the new activity hasn't been gauged. Yet the deals are piling up, both in Tajikistan and the rest of the region.

Only this week, the UK company Gold & Minerals Exploration signed a gold exploration deal for Tajikistan's southern Darvaz region. Canada's Gulf Minerals is looking into a tailings project in the same area, according to Mr Giorgi Kashlakov, a senior economic adviser to the prime minister. Lomho, the international mining and trading group, meanwhile, after losing out on the Zhetysay mining project, is considering a large antimony-gold deposit in central Tajikistan near Iskanderkul Lake, Mr Kashlakov said.

Outside Tajikistan, CBM itself is negotiating to develop gold deposits in the neighbouring Kyrgyz Republic and Uzbekistan. There are in addition to previous gold deals announced by Canada's Cameco in the Kyrgyz Republic, Newmont of the US in

Uzbekistan, and a venture involving London Stock Exchange-listed Bakyrchik Gold in Kazakhstan.

CBM's success in Tajikistan so far appears attributable to long-cultivated contacts in Tajikistan's extremely complex political sphere. CBM has had an advantage because Mr Richard Wilkins, commercial director of the joint venture company, Zhetysay Gold, has been developing close relationships with both sides in Tajikistan's civil war since 1991.

Mr Wilkins is confident that the political risk for CBM is low, and that the company will be able either to ship its gold to market, or sell it to the Tajikistan government for dollars at world prices.

"My job is to keep up contacts with the government," Mr Wilkins says. "Even if they overturned the whole leadership and brought in the opposition, it wouldn't worry me."

CBM expects the joint venture to produce its first gold from the Jilau open pit mine where mining and processing is taking place only ten days a month because of lack of funds. By targeting some high grade ore, Jilau could be producing at an annual rate of 80,000 to 100,000 ounces by the end of 1995, suggests Mr Roger Turner, chairman of the joint

venture company. More work would be needed at the Turke underground mining complex before production could begin in earnest in 1998, particularly on how the ore, which contains substantial quantities of arsenic, should be treated.

Mr Turner pointed out that environmental clean-up was not a problem as the mines and plant were new. However, the joint venture would have to ensure that the mining town of 2,000 people - with its infrastructure of roads, power plant, water and sewage plants as well as a school and hospital - was kept supplied. At present there were shortages of some essentials, such as fuel for central heating.

Meanwhile, Tajik Geology has been contracted by CBM to do \$2m of exploration work a year in the Zhetysay Valley.

## Moonstone Group

Mr Yannie Mercier, chairman of the Moonstone Group, has asked us to make it clear that in the article about his company on December 3 his reference to US\$22m of expenditure in the Zhetysay region was drawn from comments by Mr Serbek Dauyev, Minister for Geology of Kazakhstan.

## MARKET REPORT

## Nervousness remains at LME

Base metal trading was quieter at the London Metal Exchange yesterday afternoon but traders were still nervous of the possibility of further sharp downward corrections.

The recent big mover, NICKEL, had its wings clipped by Norilsk, the big Russian producer, saying power problems were not as bad as western traders claimed.

Meanwhile ALUMINIUM traders were disturbed by the possibility of Monday's news that Coca Cola was switching to steel can sheet in some

areas might herald similar substitution moves by other consumers.

COPPER's fundamental tightness made it more resistant to downward pressure.

Compiled from Reuters

| LME Warehouse Stocks (as at Monday's close) tonnes |                      |
|--|----------------------|
| Aluminium  | -16,225 to 1,811,575 |
| Aluminium alloy                                    | +360 to 29,240       |
| Copper   | +125 to 518,400      |
| Lead   | -1,725 to 398,050    |
| Nickel   | -90 to 150,408       |
| Zinc   | -1,575 to 1,202,000  |
| Tin  | -190 to 29,535       |

## Windwards wary of US banana producer's offer of assistance

By Carole James in Kingston, Jamaica

Chiquita Brands International, a US producer of Latin American fruit, has offered to help exporters in the Windward Islands with the shipping and marketing of their bananas. The move is seen as an effort to reduce rising tensions over access to the European banana market.

In a statement issued in Barbados, Chiquita said that with the Windward Islands planning

to go beyond production of the fruit and to market increasing quantities. "Chiquita hopes it will have the opportunity to re-establish a relationship, this time directly with the Windward Islands banana industry, to provide the highest possible returns to growers."

The offer of assistance follows an investigation launched by the US trade representative into the European Union's banana import regime, which favours traditional producers in the African, Caribbean and

Pacific (ACP) Group, with which the EU has trade treaty. Latin American producers, backed by the US, say the regime discriminates against other producers, mainly those in Latin America.

The investigation was prompted by attacks on the EU regime by Chiquita and the Hawaiian Banana Industry Association. The charges have been dismissed by the Caribbean Community.

Chiquita's statement offering to help the Windwards, signed

by Mr Nelson Lees, vice president of the company, said it could increase the efficiency with which the islands' bananas were produced, shipped, marketed and sold in Europe. The company said it also wanted to provide technical assistance to the Windwards industry.

Between 1986 and 1991 Chiquita had shipped Windward Islands bananas to Italy through an arrangement with Geest Industries, which markets the island group's

bananas, the statement said.

Initial reaction from the Windward Islands has been sceptical. "The consistency and verbiage of the Latin American attacks on the Windward Islands banana industry, and the recent attempt by this very company to get the US trade representative to destroy the industry and the islands' economies, does not provide a basis for taking this offer seriously," said an official in St Lucia. Chiquita claims that Caribbean and other ACP producers

has misunderstood its complaint to the US government, which resulted in the investigation launched by the US trade representative.

"That filing is not intended to destroy the banana industry of the Windward Islands or any of the EU or ACP producing countries," the statement said. "In fact, Chiquita has invested millions of dollars in capital and technology in ACP and EU countries, and would like to more fully participate in these markets."

## COMMODITIES PRICES

## BASE METALS

## LONDON METAL EXCHANGE

(Prices from Associated Metal Trading)

## ALUMINIUM, 99.7 Purity (\$ per tonne)

|                      | Cash    | 3 mths    |
|----------------------|---------|-----------|
| Close                | 1874.5  | 1863.4    |
| Previous             | 1874.5  | 1900.1    |
| High/Low             | 1847    | 1905/1860 |
| AM Official          | 1847.8  | 1872.3    |
| Karb close           | 1867.8  | 1867.8    |
| Open Int.            | 258,209 |           |
| Total daily turnover | 53,695  |           |

## ALUMINIUM ALLOY (\$ per tonne)

|         | Close  | Previous | High/Low | AM Official | Karb close | Open Int. | Total daily turnover |
|---------|--------|----------|----------|-------------|------------|-----------|----------------------|
| 1820-30 | 1850.5 | 1850.5   | 1850.5   | 1850/1850   | 1815-20    | 1850.5    | 2,882                |
| 1820-30 | 1850.5 | 1850.5   | 1850.5   | 1850/1850   | 1815-20    | 1850.5    | 515                  |
| 1820-30 | 1850.5 | 1850.5   | 1850.5   | 1850/1850   | 1815-20    | 1850.5    |                      |

## LEAD (\$ per tonne)

|        | Close  | Previous | High/Low | AM Official | Karb close | Open Int. | Total daily turnover |
|--------|--------|----------|----------|-------------|------------|-----------|----------------------|
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |

## NICKEL (\$ per tonne)

|        | Close  | Previous | High/Low | AM Official | Karb close | Open Int. | Total daily turnover |
|--------|--------|----------|----------|-------------|------------|-----------|----------------------|
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |

## ZINC (\$ per tonne)

|        | Close  | Previous | High/Low | AM Official | Karb close | Open Int. | Total daily turnover |
|--------|--------|----------|----------|-------------|------------|-----------|----------------------|
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |

## TIN (\$ per tonne)

|        | Close  | Previous | High/Low | AM Official | Karb close | Open Int. | Total daily turnover |
|--------|--------|----------|----------|-------------|------------|-----------|----------------------|
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |
| 6000-1 | 6000-1 | 6000-1   | 6000-1   | 6000-1      | 6000-1     | 6000-1    | 6000-1               |

## Precious Metals continued

## GOLD COMEX (100 Troy oz; \$/troy oz)

|     | Sett  | Day's | High  | Low   | Open   | Vol    |
|-----|-------|-------|-------|-------|--------|--------|
| Dec | 372.8 | +0.3  | 376.5 | 375.1 | 2,858  | 253    |
| Jan | 372.2 | +0.3  | 376.5 | 375.1 | 2,858  | 253    |
| Feb | 371.1 | +0.1  | 380.0 | 378.0 | 93,253 | 25,263 |
| Mar | 365.1 | +0.1  | 363.3 | 362.2 | 14,048 | 1,702  |
| Apr | 367.3 | +0.1  | 367.3 | 366.4 | 20,738 | 312    |
| May | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Jun | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Jul | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Aug | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Sep | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Oct | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Nov | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |
| Dec | 361.8 | +0.1  | 362.2 | 361.3 | 12,173 | 289    |

## PLATINUM NYMEX (50 Troy oz; \$/troy oz)

|     | Sett  | Day's | High  | Low   | Open   | Vol   |
|-----|-------|-------|-------|-------|--------|-------|
| Dec | 402.9 | +1.5  | 405.5 | 400.5 | 15,267 | 2,008 |
| Jan | 402.9 | +1.5  | 405.5 | 400.5 | 15,267 | 2,008 |
| Feb | 411.0 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Mar | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Apr | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| May | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Jun | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Jul | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Aug | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Sep | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Oct | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Nov | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |
| Dec | 411.5 | +1.5  | 411.5 | 411.5 | 1,989  | 7     |

## PALLADIUM NYMEX (100 Troy oz; \$/troy oz)

|     | Sett   | Day's | High   | Low    | Open | Vol |
|-----|--------|-------|--------|--------|------|-----|
| Dec | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Jan | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Feb | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Mar | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Apr | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| May | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Jun | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Jul | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Aug | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Sep | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Oct | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Nov | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |
| Dec | 182.25 | +0.05 | 182.50 | 181.75 | 110  | 117 |

## SILVER COMEX (100 Troy oz; \$/troy oz)

|     | Sett  | Day's | High  | Low   | Open  | Vol |
|-----|-------|-------|-------|-------|-------|-----|
| Dec | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Jan | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Feb | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Mar | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Apr | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| May | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Jun | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Jul | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Aug | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Sep | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Oct | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Nov | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |
| Dec | 482.7 | +5.4  | 488.0 | 480.0 | 1,882 | 703 |

## ENERGY

## CRUDE OIL NYMEX (42,000 US gals; \$/barrel)

|     | Sett  | Day's | High  | Low   | Open   | Vol    |
|-----|-------|-------|-------|-------|--------|--------|
| Dec | 16.20 | +0.08 | 16.25 | 16.12 | 81,829 | 23,345 |
| Jan | 16.20 | +0.08 | 16.25 | 16.12 | 81,829 | 23,345 |
| Feb | 16.20 | +0.08 | 16.25 | 16.12 | 81,829 | 23,345 |
| Mar | 16.20 | +0.08 | 16.25 | 16.12 | 81,829 | 23,345 |
| Apr |       |       |       |       |        |        |

## ZIMBABWE

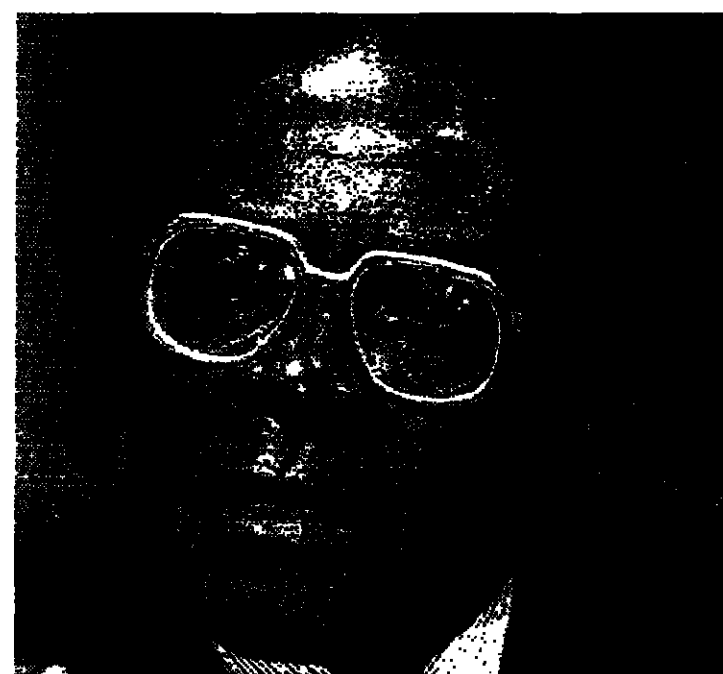
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How will these two Harare children benefit from the dawn of the new southern Africa?



President Robert Mugabe: a capacity to buck conventional wisdom

Olyo Gash

## Time for Mugabe to show vision

The future for southern Africa has never looked brighter. But whether the country makes the most of the new era depends on the prime minister, writes Michael Holman

southern Africa in which a more efficient, competitive Zimbabwe could flourish.

In many respects, the country is well-equipped to meet the challenge. Its infrastructure is sound and its industrial and mining sector second only to South Africa, while labour is considerably cheaper than in its southern neighbour.

Zimbabwe's commercial farming sector has flourished since independence in 1980, and its political stability seems assured.

What is more, Zimbabwe is at the geographical heart of a region which, if its membership of the Preferential Trade Agreement is taken into account, embraces some 250m people and a total GDP of \$150m.

The problem for Mr Mugabe is that economic reform to date has not been a vote-winner. Most Zimbabweans' experience has been of considerable pain and little gain.

Although the greatest impact on standards of living has been the 1992 drought, the worst in living-

memory, structural adjustment tends to get the blame for some grim statistics. Poverty has deepened, infant and maternal mortality are rising, real incomes are lower than at independence, and per capita incomes are not expected to return to pre-structural adjustment levels until the year 2000.

Formal sector employment has risen only by 250,000 since 1979 to 1.24m, yet each year some 250,000 school leavers come on the market. Some find work in the informal sector, others on family smallholdings.

But for the majority of Zimbabwe's young people - more than a fifth of the 11m population are between 15 and 25 - life is tough.

If Mr Mugabe led a vibrant and effective party, prospects for sustained reform would be brighter. As it is, Zanu is corrupt and complacent. Mr Mugabe has surrounded himself with a cabinet that verges on the sycophantic. Much to the dismay of donors and the business community, two key portfolios - finance, and trade and industry -

have stand-in ministers, as a result of the illness of Mr Bernard Chidzero, the key figure behind the programme, and the death in a car accident last January of Mr Chris Ushewokunze.

On the face of it, any opposition party worth its salt would be confident of success in the forthcoming poll. It might have to accept the parameters of the structural adjustment programme; but if it stood on a platform of clean, efficient government it should in theory be able to give Mr Mugabe a run for his money.

A succession of scandals over the years has undermined the integrity of the party and government. The exposure of the so-called Willowgate affair in 1988, in which government ministers used their positions to get preferential terms for the purchase of motor vehicles, seems to have little effect on government morality.

The most recent example of abuse of power involved the allocation to

ministers and leading party supporters of farms compulsorily purchased by the state, ostensibly for the resettlement of peasant farmers. Although the allocations were eventually rescinded by Mr Mugabe, the affair has done lasting damage to the government's reputation.

At the same time, the opposition could point to the government's increase in military spending at a time when regional tensions have been reducing, while health spending has fallen.

These and other commonly voiced criticisms now overshadow the government's considerable achievements in the early years of independence - notably in the fields of education and health.

Meanwhile, what should be pressing concerns - such as the rapid deterioration of the environment and the impact of Aids - seem to take second place in the ruling party to the Byzantine rivalries within and between the two leading clans of the majority Shona tribe - the Zevu, of which Mr Mugabe is

a member, and the Karanga. Zanu's political ally, the now defunct Zapu party, once its main rival, seems content to play a minor role.

Yet if it is hard to find anyone enthusiastic about the government, it is even harder to find anyone who is prepared to back the fractious opposition, led mainly by discredited figures from the past.

Some of the strongest critics of the government, both outside the party and within its ranks, have taken a tactical decision not to join the opposition.

They argue that the Zanu party machinery - subsidised by the state to the tune of \$280m a year, and backed by the predominantly state-controlled media - is too powerful to oppose.

The answer, they say, is to reform from within. Proponents of this approach are hard-pressed to find any examples of an African government which, without pressure from an opposition party, has voluntarily changed its ways.

The net result is a frustrated, disillusioned and cynical electorate, which displays a marked lack of enthusiasm for the election.

Barely 50 per cent of eligible voters are thought to have registered, and local observers say it would be surprising if more than half of those voted.

Meanwhile, as the election looms, there is a danger that complex issues which require cool heads and carefully worked-out policies - such as the compulsory purchase of white-owned commercial farmland for redistribution to peasant farmers, or the continued white dominance of the economy - will be subject to populist treatment by government politicians.

The latter issue is currently rarely out of the papers, disquieting both the local white business community and potential foreign investors alike.

Some senior businessmen have sought to cool emotions. "Indigenisation is not a plot to deprive established businesses of their assets," says Mr Arlison Chambari, chief executive of TA Holdings, one of Zimbabwe's largest companies and widely tipped for membership of the post-election cabinet. "It is a policy aimed at widening and broadening the economic base through a process of levelling the playing field."

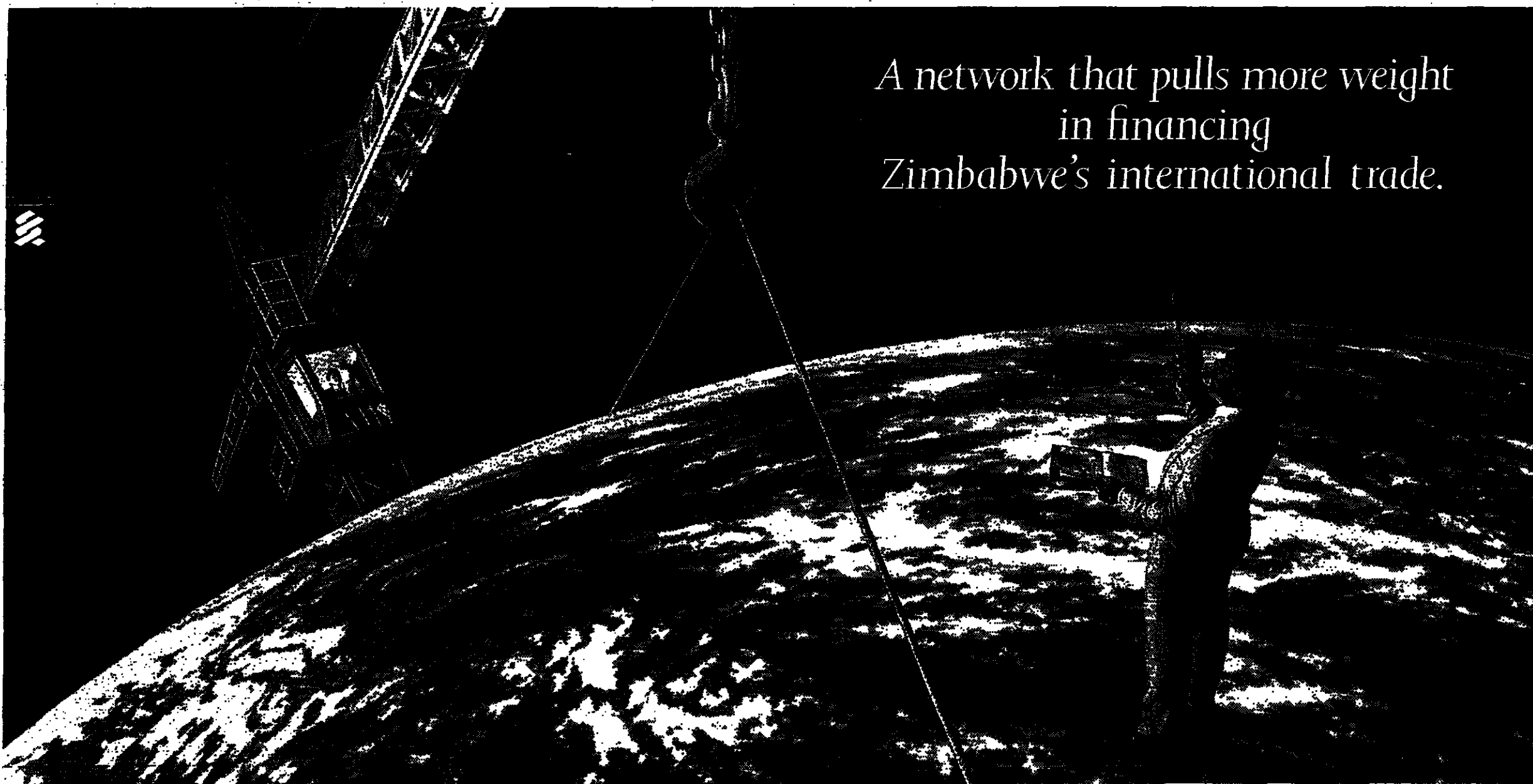
According to Mr Chambari, "economic empowerment of blacks can be justified on moral and socio-economic grounds. It is an important and urgent issue that cannot be left to an evolutionary process that is completely governed by market forces."

However, the government has yet to spell out what form such intervention might take. As with the reform programme, Zimbabwe waits on word from the president.

He could well surprise his critics. No one in Zimbabwe forgets the role Mr Mugabe played in the past, and his capacity to buck conventional wisdom.

To the astonishment - and heartfelt relief - of white Rhodesians the man many of them had vilified as a "communist terrorist" emerged from his success in the 1980 independence election as a composer, a pragmatist, marking his victory with an appeal for reconciliation between the races.

If at this critical stage in the country's development, Mr Mugabe can display the same statesmanship and vision, he may once again make an indelible mark on Zimbabwe.



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## ZIMBABWE II

Tony Hawkins on the disappointing impact of structural adjustment

## Sense of drift in economy

As Zimbabwe's first five-year structural adjustment programme nears its end, it is impossible to escape the sense of drift and vacuum in economic policymaking.

In part, this is a function of the political cycle, with elections scheduled for March next year, and also of the prolonged illness of Mr Bernard Chidzero, the long-standing finance minister, who did so much to launch the programme.

Political change in South Africa is leaving its mark as major multinationals ponder restructuring their African operations. There could be far-reaching consequences for Pretoria's neighbours, especially Zimbabwe, which is particularly vulnerable to marginalisation.

Nor will it be easy in the run-up to the elections for the politicians to sell a second instalment of a politically unpopular programme, though another five years, followed almost certainly by a third phase of ESAP (Economic Structural Adjustment Programme) will be needed to finish the job. Above all, structural adjustment in Zimbabwe is being re-examined as non-governmental organisations (NGOs) and politicians criticise the programme's failure to alleviate poverty.

Indeed, just about any index shows that poverty has deepened since the programme took off four years ago. Real incomes are lower now than at independence 14 years ago, unemployment has quadrupled and now exceeds 30 per cent, and non-farm real wages are at their lowest level for a quarter of a century.

While much of this can be blamed on the 1992 drought, and on a sluggish global economy, many in the NGO constituency, in academia, the trade unions and on the political left, blame ESAP. The programme is flawed: the assumption that manufacturing industry would "lead" economic growth in the 1990s has turned into an angry debate over deindustrialisation. The preoccupation with short-term goals, laying off 25,000 civil servants, ignores the software side of the structural adjustment equation and the country's deteriorating institutional capacity, especially in the public sector.

The neglect of regional issues has now been cruelly exposed by South Africa's return to respectability, as well as by Zimbabwe's optimistic projections of macroeconomic targets for exports, growth, inflation and public sector deficit reduction, none of which has been met. The flaws have been compounded by sluggish implementation, especially in the public sector, while institutional reforms are behind schedule.

Deregulation and liberalisation are on, or ahead of, target in respect of prices, labour relations, investment, the exchange rate and some foreign trade reforms, with quantitative import controls having

been abolished and most current account payments freed, though dividend remittances for pre-1993 companies are still restricted to 50 per cent of after-tax earnings.

In both the public sector and, especially, manufacturing industry, structural change has been minimal. Scarcely a week goes by without fresh calls from industrialists for new export incentives and a cut in interest rates, while the politicians proffer repeated excuses for their failure to bite the bullet of fiscal reform.

Privatisation, the central plank of ESAP II, has got no further than the drawing board. The recent decision to shift surplus funds from Nodzim, the state monopoly fuel procurement company, to the financially-strapped state-owned cargo airline, Air Zimbabwe, illustrates the lack both of

**The politicians proffer repeated excuses for their failure to bite the bullet of fiscal reform**

coherence and transparency in public sector finances.

Under ESAP, the budget deficit should have been reduced to 5 per cent of GDP by mid-1993 and although this remains the target, it assumes that Z\$1bn of state assets will be sold off by next June, and, more importantly, ignores some Z\$2bn of parastatal losses. If these are taken into account, the deficit would rise to over 10 per cent of GDP.

The key to fiscal reform is reduced state spending, rather than increased revenue. Although personal and corporate tax rates have been cut since 1991, high inflation and fiscal drag have ensured that

the tax burden continues to deter initiative and investment. Modest progress has been achieved on spending, which is down to 40.5 per cent of GDP from 45 per cent at the start of the programme. But the government's reluctance to slash military spending - the third largest item in the budget (3.5 per cent of GDP) and restructure the parastatal sector to eliminate losses, has plunged Zimbabwe into a classic debt-trap situation.

Public sector debt now exceeds GDP, while interest charges are estimated at 14 per cent of GDP, central government interest payments absorb 18 per cent of the budget, second only to education. Without debt reduction and parastatal reform, there is little room for manoeuvre on the fiscal front, other than the cuts in military spending promised by Mr Mugabe last May, but unlikely to see the light of day until after the elections, if then.

The promised sale of state assets, presumably some of government's shares in such companies as Delta Corporation (beverages, retailing and tourism), Astra Corp (former Zimbabwe subsidiary of the South African Barlow group) and Zimbabwe Financial Holdings (one of the top three commercial banks), to fund recurrent spending rather than reduce debt underlines the precarious fiscal balance.

The government claims to have cut subsidies but only by leaving some Z\$2bn of parastatal losses off the balance sheet while classifying numerous other payments to parastatals as loans and investments.

If all these are taken into account, the subsidy bill exceeds Z\$3bn 6.5 per cent of GDP. Clearly there are major savings opportunities here, but

only when parastatal reform goes beyond the cosmetics of setting up 100 per cent state-owned companies.

The two major losers are the Grain Marketing Board, partly because it is required to stockpile 945,000 tonnes of maize as a food security reserve, and the state-owned steel company, Zisco. Official attitudes towards privatisation Zisco are seen in a recent parliamentary select committee report which, after lambasting political interference and mismanagement, calls for a "limited" sale of equity in Zisco and the flotation of the company on the Zimbabwe Stock Exchange.

But Zisco, with over Z\$2bn in debt and negative net worth is in no shape for flotation, especially if control is to remain in state hands.

Meanwhile privatisation and the sale of state shares in public companies are becoming entangled in the increasingly acrimonious debate over industrialisation. Nearly 15 years after independence, black business claims that 90 per cent of the economy is still in white and foreign hands. The numbers are spurious given that the state accounts for a third of GDP, but though blacks are increasingly changing managerial they have little direct ownership control.

Given the challenges facing Zimbabwe for the rest of the century and beyond, it is a depressingly sterile debate, with vociferous black organisations - the Indigenous Business Development Centre and the Affirmative Action Group - preoccupied with shuffling ownership of existing assets rather than the creation of new wealth, output, exports and, above all, jobs.

The government, while

| KEY FACTS             |  |
|-----------------------|--|
| Area                  | 390,769 sq km  |
| Population            | 10.6 million   |
| Head of State         | President Robert Mugabe  |
| Currency              | Zimbabwe dollar (Z\$)  |
| Average exchange rate | 1992 \$1=Z\$ 5.096 \$1=Z\$ 5.948<br>1993 \$1=Z\$ 6.483 \$1=Z\$ 7.223 |

| THE ECONOMY                |  | 1992    | 1993    |
|----------------------------|--|---------|---------|
| Total GDP (\$m)            |  | 4,442.3 | 4,020.3 |
| Annual average % growth in |  |         |         |
| Real GDP (%)               |  | -8.2    | 2.1     |
| Consumer prices (%)        |  | 41.7    | 28.4    |
| Manufacturing (%)          |  | -1.7    | -3.4    |
| Share price index (%)      |  | -8.2    | -8.2    |
| Discount rate (%)          |  | -61.6   | 122.3   |
| Reserve ratio (%)          |  | 30.0    | 28.5    |
| Total external debt (\$m)  |  | 4,007   | n.a.    |
| Debt service ratio (%)     |  | 31.9    | n.a.    |
| Reserves minus gold (\$m)  |  | 222.2   | 432.0   |
| Trade (\$m)                |  |         |         |
| Current account balance    |  | -605.1  | -116.1  |
| Merchandise exports        |  | 1,527.8 | 1,609.1 |
| Merchandise imports        |  | 1,782.1 | 1,487.0 |
| Trade balance              |  | -254.3  | 122.1   |
| Foreign trade partners (%) |  |         |         |
| South Africa               |  | 14.5    | 13.0    |
| UK                         |  | 12.1    | 7.2     |
| US                         |  | 8.1     | 4.8     |
| Japan                      |  | 7.8     | 4.1     |
| Germany                    |  | 6.8     | 4.0     |
| EC                         |  | 34.3    | 21.8    |

(1) Mining production Jan-Nov 94 only  
(2) % change in IFC share price index at year end  
(3) Discount rate at end Q3 1992, and Q4 1993.  
(4) Percentage shares of trade in 1993.

Sources: IMF, EU.

happy to champion indigenousisation, a surefire vote-buyer, is doing little to help. When (rather than if) it comes to privatisation, it will face intense pressure to sell to black investors and entrepreneurs, most of whom will not have the funds.

Some type of investment trust linked to a more vigorous venture capital industry is needed to satisfy the business community's aspirations, but here too there are few signs of vision or leadership. Monetary growth (46 per cent so far this year) fuelled by offshore borrowings, capital inflows and the fiscal deficit, is being sterilised by Z\$5bn in central bank issues of special and treasury

bills. The net result is real interest rates of about 10 per cent and a fall in real private sector borrowing.

It is hardly surprising that investment, outside mining and tourism, is flagging and that, once again, GDP growth will fall behind target. Exports should surge next year, mainly in mining and agriculture, resulting in a further improvement in the balance of payments on current account.

Part of the explanation is limp import demand, itself a consequence of flat investment, especially in manufacturing. Official forecasts predict growth of 4 per cent since GDP will not regain its 1991 levels until 1996, while per capita incomes will return to pre-ESAP levels only in 2000.

Growth should exceed 5 per cent in 1995 on the strength of the commodity price rebound, expansion in gold mining, firmer tobacco prices and continued recovery in manufacturing. But unless the authorities get to grips with excessive monetary growth, interest rates and inflation - projected to average 24 per cent this year against an ESAP target of 10 per cent - the investment response will remain weak.

A sound infrastructure, considerable potential in mining, agriculture and tourism, and a vibrant private sector give Zimbabwe a better chance than most sub-Saharan countries to make a success of structural adjustment. But the 1990s strategies needed to penetrate global markets, especially in manufacturing, and the commitment and leadership necessary to tackle public sector reform are missing.

In the absence of new blood and a more market-driven culture, reform will be hamstrung by the combination of inertia and the ideological baggage of past commitments to "socialist transformation".

Tony Hawkins looks at the banking scene

## Fingers point in all directions

Money and banking in Zimbabwe today are all about finger-pointing. The process starts with the World Bank, pointing a finger at the IMF for insisting on a tight monetary stance resulting in double-digit real interest rates. For its part, the Fund blames the banks for excessive spreads between deposit and lending rates, estimated at around 10 per cent.

The banks, in turn, blame the Reserve Bank of Zimbabwe for using Z\$2m in special bills and, in October, Z\$1bn in Treasury Bills to mop up excess liquidity. The central bank points its finger at the government's fiscal indiscipline, wage inflation and foreign currency inflows following exchange control liberalisation.

Whoever the real culprit, the result is lending rates of 32 to 37 per cent in a year in which inflation is likely to average 24 per cent. Small wonder, then, that the supply response to economic reform is sluggish, especially in manufacturing; that the real exchange rate appreciated for much of 1994; that the air is thick with warnings of de-industrialisation, while black business complains that the banks are biased against the indigenous business community.

The RBZ justifies its tight money stance by pointing to the 46 per cent rate of money supply growth so far this year. That, after 15 months of monetary growth in excess of 40 per cent, inflation is not 10 points higher is something of a surprise. Given the liquidity overhang, the authorities' reluctance to take risks with inflation is understandable.

Indeed, the abolition of import controls and of the official exchange rate at a time when the public sector borrowing requirement exceeds 10 per cent of GDP has transformed policy-makers into single club golfers.

With the authorities unwilling (or unable) to bite the fiscal bullet and exchange rate policy no longer an option, monetary policy is the last chance saloon. Predictably, this is highly unpopular with business still struggling to

**With lending rates of 32-37 per cent when inflation averages 24 per cent, the sluggish response to economic reform is no wonder**

throw off the hangover of the 1992 drought. Loosen monetary policy and cut interest rates, says business, optimistic that this will boost import demand, reverse the foreign currency inflows of the past year and revive consumer spending and a sluggish industrial sector.

But such are the constraints in the economy, especially savings skills, infrastructure and real, as distinct from nominal, industrial capacity, that an expansionist strategy could all too easily end in tears.

This is not the way the script was written: in 1993 inflation more than halved from over 45 to 12.7 per cent, reflecting a 20 per cent fall in the real money supply in 1992 and a further 10 per cent decline in the first half of last year. But then it started to go wrong, with M2 rising 41 per cent in the second half of the year, accelerating to 87 per cent by the third quarter of 1994.

Previously, the blame for rapid monetary growth could be laid at government's door, but the new villain of the piece is currency inflows. In mid-1993, M3 of Z\$8.4bn was made up of domestic credit of some Z\$1.2bn, partially offset by negative net foreign assets of Z\$8.5bn. By September this year, net domestic credit had risen a mere 12 per cent,

declining in real terms, but partial exchange control liberalisation attracted substantial currency inflows, resulting in a build-up of foreign reserves.

Put simply, of total M3 growth of Z\$1.1bn, the country's much healthier external position, contributed Z\$1.6bn, or 70 per cent. Government accounted for \$1bn (71 per cent) of the increase in domestic credit, with real private sector borrowing down some 25 per cent, underscoring the fragile nature of the recovery and the impact of high real interest rates.

Finger-pointing aside, no-one seems too sure what to do. One partial solution would be to release blocked funds, estimated at Z\$20m (including so-called divestment bonds), while simultaneously liberalising dividend payments - most pre-1993 foreign investors may not remit more than half their

**The cynical view is that the market has made it easier for government to overspend and crowd out private sector investment**

after-tax earnings - and easing up on personal remittances.

Taken together, these three moves might slow net inflows, but the real challenge is to get investment and imports growing more rapidly rather than build up foreign reserves that must be sterilised with high interest rates which encourage even greater inflows.

Late last month, in an effort to counter the growing pressure for lower rates, the Reserve Bank trimmed its discount rate by 0.5 per cent to 23.5 per cent and cut its overnight accommodation rate by three points to 35 per cent, citing slower monetary growth and a slowdown in inflation.

At the same time, it instructed banks to provide offshore borrowing facilities to exporters of manufactures for 70 per cent of their working capital requirements, arguing that this would reduce their borrowing costs.

Everyone, including the bank themselves, accepts the inevitability of greater competition in financial services: the new financial services bill will level and deregulate the playing field.

Although Zimbabwe has far fewer banks than Kenya or even Zambia - five commercial banks, four merchant banks, five finance houses and three building societies - its capital and money markets are more active than any other in sub-Saharan Africa, except South Africa. There is an active money market dominated by three discount houses, with a fourth due to open its doors and, by African standards, a robust secondary market in financial instruments, including government paper.

While much is made of the advantages of a sophisticated capital market infrastructure, the cynical view is that the well-developed institutional market, dominated by the South African-based Old Mutual group, has simply made it easier for the government to overspend, overborrow and crowd out private sector investment, the more so since life insurance and pension funds are forced to put 65 per cent of their asset portfolios into government or semi-government paper.

The government's enthusiasm for competition in the financial services sector does not yet extend to paying market rates for long-term money. Its drive to open up the market to more competitive banking is increasingly constrained by demands that black investors have a major stake in new financial institutions.

## Welcome mat for foreign investors

Zimbabwe's attitude to foreign investment has changed markedly since the 1980s, when it was ambivalent at best and often plain hostile, writes Michael Holman.

But trade liberalisation, the abolition of most foreign exchange controls, the end of all but a handful of price controls, and other reforms have changed the picture. Together with the fact that President Robert Mugabe himself laid out the welcome mat for foreign investors at a London conference earlier this year, the business environment has been transformed.

At its offices in the centre of Harare, officials of the Zimbabwe Investment Centre promise to provide a speedy, and if possible, one-stop service to investors. Established in 1989 as a department within the ministry of finance, since 1992 the centre has been an autonomous institution, advising on the incentives on offer, ranging from tax breaks to industrial sites on a concessional basis.

Its officials paint a picture of Zimbabwe at the heart of regional groupings which represent a potential market of over 250m people with a combined GDP of some \$155bn. Labour costs are as much as third below South Africa's,

without the powerful trade unions which are so influential there.

The centre promises that projects up to \$10m will get its approval within a week, provided there is no potential health or environmental hazard, and its staff will assist the investor to obtain the licences or permits that may be necessary.

Bigger investments will take longer to clear, but the days of red tape and

**Most investors are waiting to see how post-apartheid South Africa will settle down**

implicit disapproval are over, the centre insists.

Unfortunately, Mr Mugabe has not always made their task easy. Recent comments which have disquieted the investment community include his apparent reaffirmation of faith in socialism, made at the mid-year congress of the ruling party, though party officials maintain that he is committed to the economic reform programme.

No less disconcerting to some observers was Mr Mugabe's distinction between "indigenous" businessmen - ie white - and "indigenous indigenous" business-

men - ie black - made in the course of a discussion on the need to "indigenise" the economy.

What the president has so far failed to spell out is how the government proposes to redress past inequities which have left the minority community in a dominant economic role, while maintaining the confidence of this vital group and not frightening away foreign investment.

Most investors are adopting a wait-and-see attitude, not necessarily because they doubt Mr Mugabe, but because they want to find out how post-apartheid South Africa will settle down.

Since the London conference in May, and until August this year, UK investment flows have totalled a modest Z\$101m (around £6m), according to the centre.

The biggest foreign investment, however, is the Z\$1.8bn platinum mining project 80km south west of Harare, financed by Delta Gold and BHP Minerals of Australia.

This boost notwithstanding, net foreign investment since independence in 1980 has not reached three figures.

Zimbabwe Investment Centre, Royal Mutual House, 45 Baker Avenue, Box 5960, Harare. Tel (263-4) 759911-4, fax 757937.

## STOCK EXCHANGE

## Privatisation snags

In the 18 months since the Zimbabwe Stock Exchange was opened up to foreign portfolio investment, market capitalisation has quadrupled in local currency terms to Z\$16.8bn, more than trebling to US\$2bn in hard currency value.

Foreign buyers, with net purchases of Z\$646m since July 1993, have played only a minor role, with the main impetus coming from the return of domestic investors as the economy recovers from the 1992 drought. After peaking at 2,782 in September 1991, the industrial share price index collapsed to a low of 870 in January 1993. By the time exchange control was liberalised to allow foreign portfolio investors to buy up to 25 per cent of any listed company, with no single investor holding over 5 per cent, the index was hovering at the 1,000 mark.

The market surged 55 per cent in the third quarter last year and another 65 per cent in the final three months to reach 2,582. Strong foreign buying took the market to a new high of 3,832 in March, when it was settled around the 3,550 level.

The conventional wisdom among market analysts is that with the average price/earnings ratio on industrials down to 11.8 in early November from a March peak of nearly 17, the market is set to break through the 4,000 barrier once interest rates come off the top and the flood of new and rights offers has been digested.

In the closing months of 1994, one small new issue (\$3.2m) and rights calls of another Z\$366m (\$44m) have eaten into the institutional

demand which accounts for some 80 per cent, by volume, of turnover.

The limits on foreign participation relate only to March were set back to the time of Z\$192m, with annual interest charges of Z\$8.5m. Only a handful of the parastatals are in fit state to be sold, and of these, some obvious candidates, such as the telecommunications utility, have been ruled out of contention on "strategic" grounds though this may well change as World Bank and IMF pressures intensify after next year's elections.

Tony Hawkins



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هكذا من الراحل



Loveness Chari beside the dam which Chichero villagers built by hand

### How drought hit a village

## Grassroots are bare

For the economy of Zimbabwe, the drought of 1992, the worst in living memory, was a disaster.

Gross domestic product fell by about 8 per cent as agricultural production was cut by a quarter. Forty per cent of the population required food aid when production of maize, the staple crop, plunged to a quarter of its usual level. Higher imports and lower export earnings pushed the current account deficit up sharply and sent inflation spiralling to a peak of 48 per cent.

For the villagers of Chichero, in the parched south-eastern district of Chibhi, the drought was a catastrophe from which they have yet to recover. They watched as their crops withered and their oxen died, leaving them with nothing but their bare hands to hoe the unyielding soil.

Reviving Chichero, and thousands of other smallholdings in the poorest areas of Zimbabwe - Natural Regions 4 and 5 - where 70 per cent of the population lives, will be crucial to the recovery of the whole economy. Agriculture, though accounting for only 14 per cent of GDP, employs nearly three-quarters of the population and contributes up to 45 per cent of exports.

For donor countries, getting aid to smallholders in these vulnerable areas, and making it work effectively, will be one of the biggest challenges they have yet faced.

Chibhi district, in the province of Masvingo, is one of the driest areas of the country. Average rainfall is between 30cm and 50cm a year. Smallholders farm just one hectare of land on average, and 68 per cent of the 157,000 farmers are women, the men having sought work in the towns. The drought of 1992 wiped out 70 per cent of the cattle in Chibhi, leaving people with nothing to sell to pay school fees and no animals for ploughing.

The village of Chichero lies about 4km from the main road along a rough track through dry bush. Mrs Pauline Chumba, 45, suffered a fate typical of the villagers during the drought - all 20 of her cattle died.

But because her husband works as a plumber in the town of Mashava, 120km away, she was not entitled to food aid.

Mrs Chumba tries to produce enough food for her mother, herself and her seven children from three hectares. Last year, as usual, she did not have any surplus maize to sell, and her only outside income was 28120 for four tins of peanut butter which she ground from the nuts she grew.

After the drought, Mrs Chumba burned the cattle shelters for firewood, since she had no further use for them.

Officially, the government strongly backs the objectives of "Grassroots involvement is the starting point," says Mr Kumbira Kamapi, the agriculture minister. "You let people tell you how you can assist them."

In practice, encouraged by some donor nations, the government has concentrated on high-profile, large-scale dams which are often costly to maintain and fail to serve smallholders' needs. Mr David Hasluck, director of the mainly white Commercial Farmers' Union, is sceptical about the success of efforts to devolve power. "Don't believe the government thinks the people know what's good for them. The government knows what's good for them. It believed that in 1980, and it hasn't changed."

Whether they, and thousands of other smallholders, realise their hopes depends on the government and donor agencies. Such grassroots initiatives are exactly what the United Nations International Fund for Agricultural Development (Ifad) is anxious to encourage and finance in two new projects covering the dry, low-lying southern regions of Zimbabwe. The fund's mandate is to help the poorest rural smallholders become self-sufficient by supporting projects they have chosen.

But donor agencies face many obstacles. The dry areas have become a government priority only since the drought. The emphasis on economic growth in the 1980s put

resources into the more profitable agricultural sectors, and research and training was geared to areas with higher rainfall.

The structural adjustment programme, which coincided painfully with the drought, has cut civil service jobs, and there is only one agricultural extension officer for every 700-800 smallholders. About 70 per cent of the extension service's budget goes on wages, rather than direct help for farmers.

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## New lease of life for mines

After a decade in the doldrums, mining is set to play a substantially greater role in export and output growth than in the past 25 years writes Tony Hawkins.

Output volumes have barely changed since 1980. Chrome ore production has halved, copper volumes are down 70 per cent, asbestos down 38 per cent, tin down 30 per cent and nickel down 20 per cent. Only coal, up 68 per cent, and gold, up 68 per cent, have bucked the trend to the point where gold now accounts for some 45 per cent of total value. With ferrochrome output rising as world demand recovers and the impact of Russian exports is digested, and with gold production maintaining its upward, production volumes should regain their peak levels of the mid-1970s by 1996.

Significant new capacity will come on stream in 1996-97 with the \$225m Hartley Platinum mine being developed by BHP and Delta Gold of Australia, the development of a number of small and medium-scale diamond properties, a new copper mine and, very likely, a second major platinum producer, the Mimosa, currently being investigated by the new owners of Zimco, one of the country's two large-scale ferrochrome manufacturers.

Further down the line are two major methane gas projects and the possible expansion of nickel production. All of this sustains the view that resource-intensive, primary sector development is more likely to spearhead export growth in the late 1990s than labour-intensive manufactures.

## INDUSTRIAL PRODUCTION

### How country is held back

Manufacturing, targeted in the original Economic Structural Adjustment Programme document as the flagship of structural adjustment, is struggling to come to terms with the new global and regional order as well as policy reform at home.

Far from growing at 5.8 per cent a year since 1990 as projected, industrial production is currently running at pre-reform (1989) levels, 9 per cent below its pre-drought peak reached in 1991, and on current trends will break new ground only towards the end of 1995.

Even that four-year standstill assessment is regarded as unduly optimistic by some manufacturers. August's Business Tendency Survey by the Central Statistical Office found that 82 per cent of manufacturing firms were operating below capacity, order books had shortened with weak demand both in domestic and export markets, and investment intentions and employment had fallen.

Manufacturers, especially those in clothing and textiles, warn that the country is being deindustrialised because of excessively high interest rates, the abolition of the 9 per cent export incentive at the end of 1993 and trade liberalisation leading to "dumping" by Asian and South African suppliers.

The World Bank is more optimistic, arguing that if 10 per cent annual export growth could be achieved, manufacturing would resume the lead role it played during the sanctions period, expanding at 6 to 7 per cent annually. There are two main snags in this scenario: a quarter of a century of self-sufficiency led to Zimbabwe being ranked as the second most industrialised low-income country in the world, after China, with manufacturing accounting for 27 per cent of GDP. Whether there is scope to push this ratio to 30 per cent and beyond in a \$50m market and with some manufacturing activities already being re-

cated in South Africa, with its \$120bn market, is questionable. The second potential pitfall is the Bank's view of modern manufacturing. It argues that comparative advantage is driven by resource endowment (low cost labour) and price, while quality, design, style, and delivery play little part. The roles of scope and scale economies, experience effects, the cross-border vertical integration of manufacturing activities and, above all, the regional factor, are underplayed. Yet increasingly, these will determine whether 10 per cent growth in manufactured exports is on the cards.

If semi-processed goods - ferrochrome and cotton lint - are excluded, manufactured exports have a volatile track record, contracting in the first half of the 1980s, before surging 70 per cent in the next three years. In 1989, on the eve of ESAP, manufactures accounted for a quarter of merchandise exports, with clothing and textiles the largest group worth \$68m. Since 1989 only clothing and textiles have performed, increasing 80 per cent to \$122m last year, with the remainder static at \$340m.

The rapid export growth necessary for the revival of industry's fortunes depends not just on changes to the ruling tax and protection regimes, on which topic Zimbabwe is receiving lots of good advice from the Bank, UNDP and other consultants, but also on a revolution in industry's managerial and corporate cultures. A UNDP study finds that while effective protection rates

(ERPs) in manufacturing are not high in relation to some countries, levels of more than 50 per cent are too high.

Highly protected activities include ERPs of 137 to 248 per cent for electric motors, over 90 per cent in electronics (TV, stereos, tape recorders), 78 to 81 per cent for domestic and commercial refrigerators, between 60 and 97 per cent for furniture, and 72 per cent for garments. Industries hit hardest by trade liberalisation include electronics, food processing and clothing, where most competing imports were excluded through the operation of the negative list.

Companies in these sectors, especially clothing, have since suffered a triple blow: loss of protection, a more compressed duty structure with tariffs on finished goods reduced relative to those on imported inputs, and a sharp decline in domestic demand caused by drought and falling real wages. Even so, import substitution continues to be protected whereas the best exporters can hope for is zero protection, and even that assumes that the duty drawback system works efficiently, which it does not.

According to the UNDP, low local value-added exporters are suffering, because tariffs and duties on inputs to protect upstream activities (textiles) hurt downstream players (clothing). Two other drawbacks are implicit in the existing system of protection: it encourages greater vertical integration and

mitigates against smaller indigenous firms, and it protects capital-intensive activities more than labour-intensive ones. The proposed switch to VAT and the reduced reliance on import duties should enhance the competitiveness of industrial exporters.

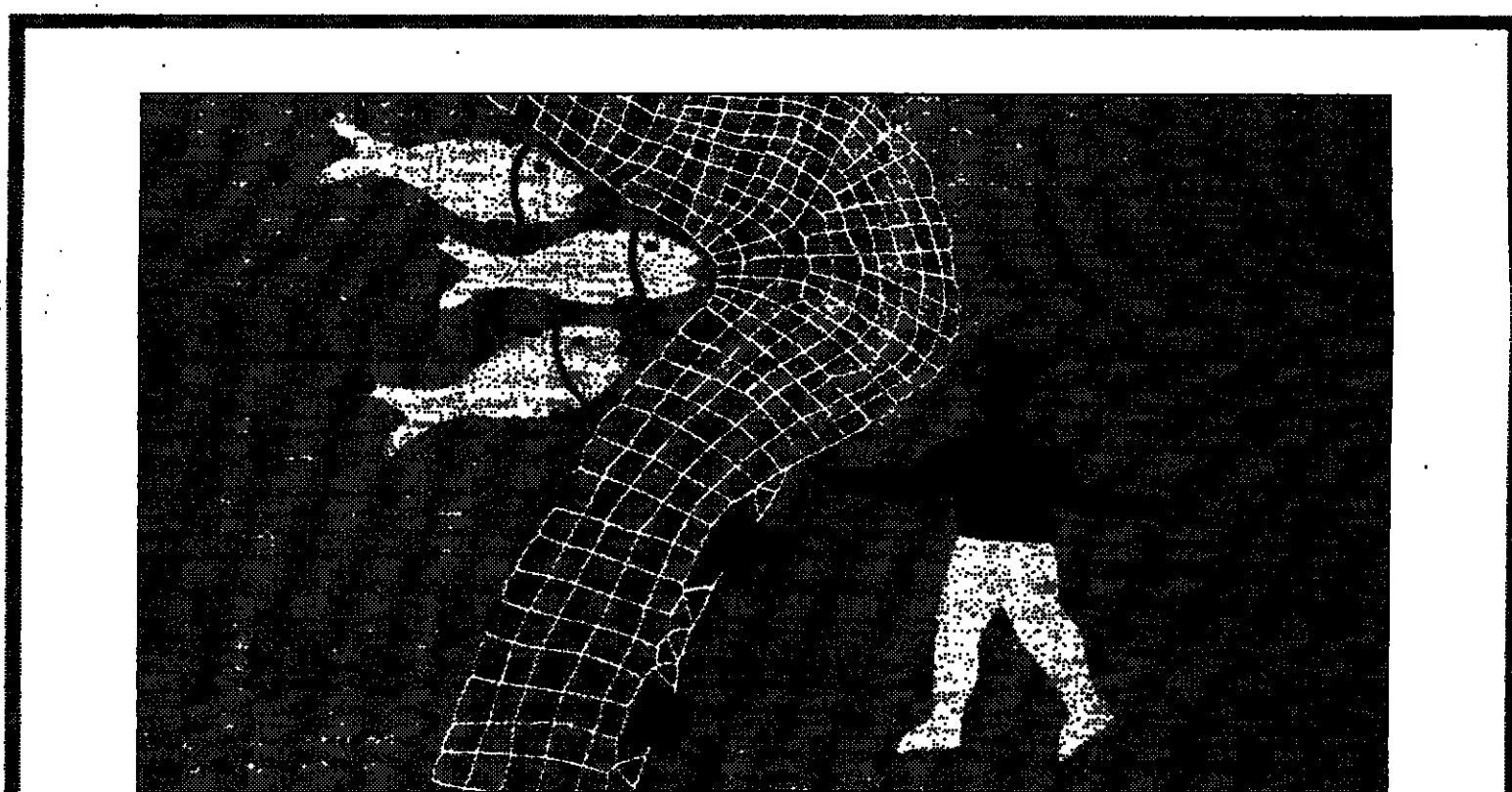
Government officials are optimistic that the Export Processing Zone legislation will shift the incentive structure in favour of labour-intensive value-added activities, though many feel Zimbabwe has missed this particular bus. The UNDP report argues that if a duty exemption system for exporters, along the lines of the Inward Processing Rebate scheme, could be implemented, then the chief advantage from EPZ investment would be the five-year tax holiday.

One lesson from African structural adjustment programmes should not be forgotten. It is always easier to level the playing field and create the enabling environment than to get the supply response. This is where the neglected issues of institutional capacity, software, corporate culture and, in Zimbabwe's case, regionalism come into play. The necessary culture change involves getting management to see exports as the main source of growth rather than as the residual addition that they have been in the past.

As it is, scarcely a week goes by without a captain of industry, convinced that industrialists deserve to be "rewarded" for exporting, calling for new export incentives.

That transformation, in turn, depends on the accumulation of new and different core competences, a focus on quality, acceptance of cross-border integrated manufacturing, as distinct from stand-alone operations in Zimbabwe and a radical change in official attitudes to the immigration of skilled personnel and access to intellectual property.

Tony Hawkins



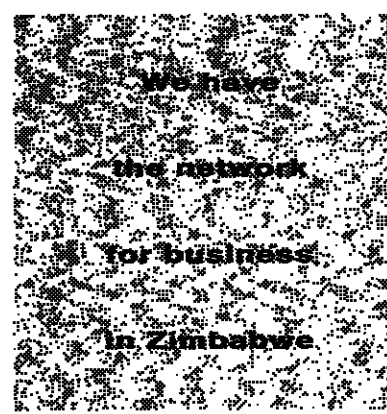
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Michael Holman separates the facts from the hyperbole

## Tourism: the million mark is near

"Africa's paradise", says Zimbabwe's marketing slogan.

Allowing for the hyperbole of the tourist business, most visitors tend to agree that there is indeed something special about a country which offers everything from some of Africa's best game parks to trout fishing in the eastern highlands, and makes up for the absence of a coastline by an inland sea called Lake Kariba.

And as word has got round, the number of visitors has soared. At current rates of growth, by the end of the decade 1m people a year will discover that Zimbabwe is one of the continent's most attractive destinations.

Yet it is still relatively unexplored and comparatively cheap, and as tourist-friendly as anywhere in Africa and beyond.

Last year, some 880,000 visitors came to Zimbabwe - more than three times the 1989 figure - and growth is running at around 10 per cent a year. With receipts in 1993 put at some \$86m, and employing around 60,000 workers, tourism is easily the fastest developing sector of the economy.

Operators speak confidently of 1m visitors annually by the end of the decade. It is a perfectly feasible target. Zimbabwe is set to benefit from the tourism boom under way in post-apartheid South Africa, and from the fact that for the first time in 30 years, the region as a whole is at peace - provided, that is, the Angola ceasefire holds.

There is little doubt, either, that the country can cope. It is already renowned for its expertise in game conservation and management, as well as innovative schemes which ensure that local communities participate in, and benefit from, wildlife conservation.

The Communal Areas Management Programme for Indigenous Resources (Campfire), introduced in 1984, encourages rural communities to exploit and sustain the local wildlife through tourism, rather than deplete it through poaching.

But for anyone who knew Zimbabwe in the 1960s and 1970s, the idea of sharing the country with 1m other visitors



Heroes Acre - the national monument to Zimbabwean freedom fighters, just outside Harare

is most disagreeable. During those decades, the guerrilla war against white minority rule and economic sanctions imposed in the wake of the unilateral declaration of independence in 1965 reduced tourists to a low of 75,000 a year in the late 1970s.

The only answer, however, is to get to Zimbabwe before even more visitors discover the delights of one of the best value destinations in Africa.

Whether you are a back-

**The luxury lodges, developed over the past few years in private game parks, rival anything South Africa or Kenya has to offer**

packer staying at one of the cheap hostels that have sprung up across the country, or in the luxury lodges developed over the past few years in private game parks, prices and quality rival anything regional competitors such as South Africa or Kenya have to offer.

Admittedly, some of the top hotels and lodges, comfortable as they usually are, can be overpriced.

Many operate a two- or even

three-tier pricing system - one for Zimbabwean residents, a second for visitors from neighbouring countries, and the third for the rest of the world. Thus what is usually termed "overseas" customers can find themselves paying as much as three times the local rate.

Some hotels, however, are adopting a single tariff policy, and this may become the norm.

Even at the highest rate, there is some compensation from the fact that prices other than accommodation are extraordinarily cheap by international standards. It costs around \$75 to fly the return journey from Harare to Victoria Falls, one of the natural wonders of the world.

Most visitors make their base in Harare, "one of the safest urban centres in the world, almost devoid of the theft ... which mars other holiday destinations," according to a government tourist handbook.

This hyperbole is positively misleading. Pickpockets are an increasing menace. A common ploy is to wave a form seeking sponsorship for a bogus charity event, and lift the wallet while the target is distracted.

For the business visitor, Meikles Hotel (785656 fax -

707754) remains the best in town, and is centrally located. Old hands say it has never been the same since the original Meikles, with its open verandah and balconies was knocked down in the 1960s. Only the stone lions that guarded the entrance remain, together with some long-serving members of staff who maintain old traditions of hospitality and personal service.

The Sheraton (14-729771) is inconveniently situated, far enough from the city centre to require a taxi - but the ride costs only a couple of US dollars.

Some of the smaller city hotels such as the Bronte (796631) with its pleasant garden, are excellent value, and not far from the town centre.

Even the most pressed business visitor should find time for a day trip to the spectacular Victoria Falls; and if Air Zimbabwe's (737011) daily flight is inconvenient, it is worth considering sharing a charter from one of the several companies that operate from Harare.

If there is not time to fit in Hwange Game Reserve, one of Africa's finest, at least get some of the flavour of the wild from a night at Pamuzinda

Safari Lodge, an hour's drive from Harare (11 lodges, 796541), or stay at Imire Game Park, (Wedza 2267).

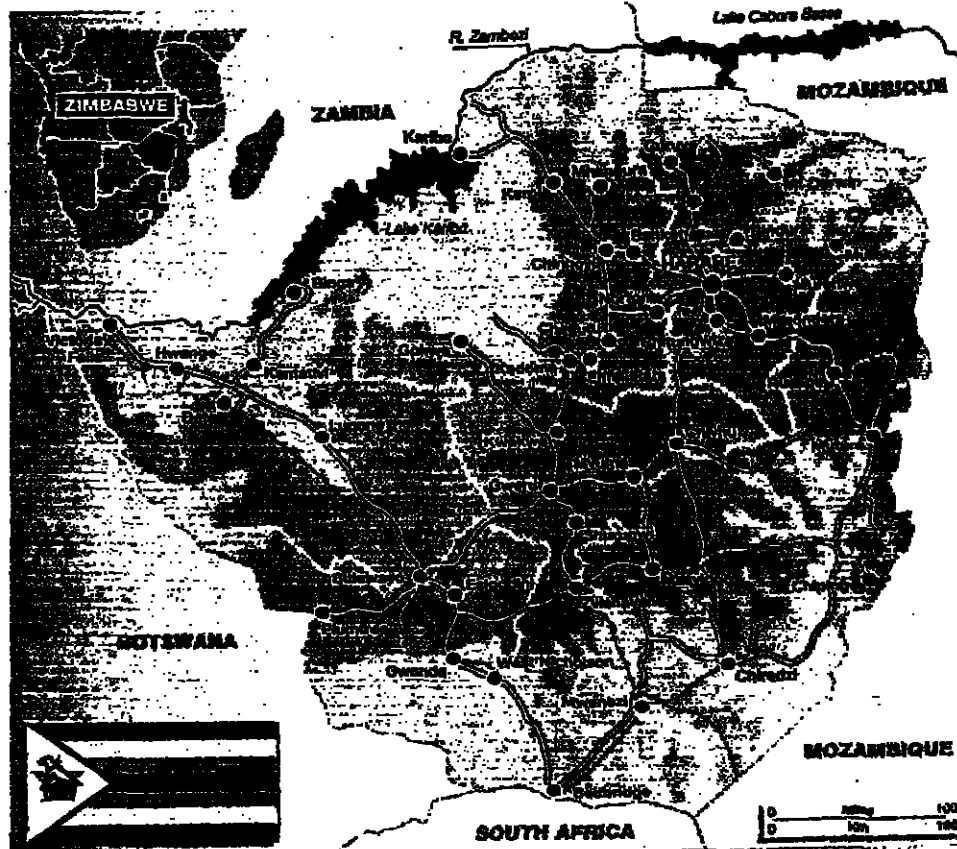
If you have to stay in Harare over the weekend, find time for a Saturday afternoon at Borrowdale for the races, or an excursion to the game park at Lake Chivero (it's advisable to take malaria precautions); and at some stage find time to stroll round the National Gallery where the world-famous Shona sculptures are on display.

Several private galleries also stock Zimbabwean work, and will arrange delivery abroad.

If on holiday rather than on business, consider making the southern city of Bulawayo your base. It is quieter, friendlier and closer to the Victoria Falls and Hwange, and a 20-minute drive from the magnificent granite hills of the Matobo national park, where the man who gave his name to Rhodesia - Cecil John Rhodes - is buried.

Stay at Nesbitt Castle (19-42725), a turn-of-the-century castellated folly where 40-odd staff attend to the needs of guests, accommodated in eight bedrooms, surrounded by a leafy garden with a swimming pool. Alternatively, stay in one of the private game parks that have sprung up - Matobo Hills (19-74568) is on the edge of the Matobo Park.

Bulawayo is also the starting point for what is by far the best way to arrive at the Falls:



A herd of elephants at the Hwange national park

by rail. Best of all is the luxurious service operated by Rail Safaris (19-73575) - but book early.

Zimbabwe's absence of a coast is made up for by its inland sea at Lake Kariba, where you can rent a houseboat - but beware bilharzia, the water-borne parasite. If that is too leisurely a way to

spend your time, go white water rafting or canoeing on Zambesi River.

And if the summer heat is too much, head for the eastern highlands, where even in the hottest months you will need a jersey in the evening. The mountains offer hiking, riding, troutfishing - all on your doorstep if you stay at Troutbeck

Inn (129-8-305); or you could rent a cottage through the Mafepi and Publicity Association in Mutema (120-64711).

African curios abound, but make a point of visiting African Trackwoods (Harare 885633, UK agent 44-625-481098). The company turns old wooden railway sleepers made from local teak and other hard woods into magnificent tables and desks, and an associated company, Danjo Wood Products, turns the offcuts into everything from briefcases to cigar boxes and picture frames.

The supply of sleepers is limited, and the company reckons it could run out of them in a couple of years. Be prepared for a six-to-eight-month delivery date.

If you are going on safari, then the Bulawayo-based Courtney Boot Company makes hand-made hiking boots "inspired by the legend of Frederick Courtney Selous", the last of the big game hunters. Each pair has its own serial number and wooden box, which for an extra US\$10 will bear the purchaser's name on an engraved brass plaque.

Finally, a reading list might include the Globetrotter Guide to Zimbabwe, by Paul Tingay, while for an insight into the war which cost some 30,000 lives read Munukuru: a guerrilla's story by Paul Hots (Ravan Press, Johannesburg) or Angus Shaw's Kandays: Another Time, Another Place (Baobab Books, Harare).

In his endeavour to achieve great things, man needs not only vision, but the potential to go beyond previous limits.

Throughout history the dreams of exceptional individuals have materialised through the formulation of ambitious objectives as well as the wherewithal to achieve them.



Men navigated treacherous oceans to explore new continents.

Without the study of astronomy and the invention of navigational instruments man would not have ventured too far into the high seas. With these aids he was able to fulfil his aspirations - to extend his horizons. He circumnavigated the world and literally reached the ends of the earth. But that was insufficient. Man's wish

was to go beyond his own planet, to reach new destinations in space. Without the application of advanced science

**The same principle applies in business.**

and technology he would never have got off the ground, let alone step out onto the moon.

The same is true of business. The desire to go beyond previous limits must be backed by



First man to reach the South Pole - Norwegian explorer, Amundsen, the ability to do so. As a holding company, the investment opportunities available to the Zimbabwe Banking Corporation (Zimbank) have been restricted by the terms of

Zimbabwe's Banking Act. To overcome this, the Zimbank Group of Companies has been restructured under a new

holding company called ZIMBABWE FINANCIAL HOLDINGS LIMITED (FINHOLD).

In co-operation with its associate and subsidiary companies, FINHOLD is in a position to explore and capitalise on a wider range of investment opportunities.

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## Balance of payments 1991-93 (in \$m)

|                   | 1991  | 1992  | 1993  |
|-------------------|-------|-------|-------|
| Exports           | 1,785 | 1,830 | 1,585 |
| Imports           | 1,700 | 1,780 | 1,480 |
| Trade balance     | 85    | 250   | 125   |
| Net services      | -345  | -360  | -180  |
| Investment income | -290  | -265  | -265  |
| Net transfers     | -     | 40    | 25    |
| Current balance   | -550  | -845  | -295  |
| Capital account*  | 420   | 715   | 465   |
| Overall balance   | -125  | -130  | +180  |

\* Adjusted for unrecorded flows

## Tony Hawkins on the recovery

## Balance is back in the black

Drought and trade liberalisation pushed Zimbabwe's balance of payments deep into the red in 1991-92, since when there has been a strong recovery. In part, this reflects sluggish growth and depressed imports, but this year exports should recoup most of their 1992 losses caused by drought and depressed commodity prices.

Strong primary export growth in 1994-95 could push the current account into surplus if import demand remains weak, exacerbating the upward pressure on the exchange rate arising from aid and capital inflows, mainly portfolio and hot money rather than foreign direct investment (FDI).

Foreigners disinvested during the 1980s, and although there has been a small net inflow (\$36m) since 1990, the country's stock of foreign investment has tumbled from \$7m in 1980 to \$2.6m in 1993.

Zimbabwe is sub-Saharan Africa's third largest host country for FDI after South Africa and Nigeria. The Zimbabwe dollar, devalued by 17 per cent at the end of 1993 as part of an exchange control liberalisation package, regained 5.5 per cent of its value in the first half of the year, but has since resumed its slide, taking its depreciation to 19 per cent so far this year, including the 17 per cent official devaluation.

Given a 12 to 15 per cent inflation differential with Zimbabwe's main trading partners since January, the real exchange rate has been appreciating, thereby compounding manufacturing industry's export woes. Commodity exporters, however, seem happy with the rate for the time being, although a further downward adjustment is expected in 1995, with the rate falling from 298.4 to the US dollar to around 2810 in a year's time.

In 1991 tobacco, gold and ferrochrome accounted for just over half of exports. Tobacco has since lost ground but is recovering, as also is ferrochrome and nickel. Gold earnings will increase substantially this year and next as new mineral exports will come on stream with diamonds and platinum making Zimbabwe an increasingly minerals-dependent exporter in the second half of the decade, while there are high hopes that horticulture will recoup some of the ground lost by tobacco.

Since the launch of ESAP, Zimbabwe's foreign debt has increased 44 per cent to \$3.6m at the end of 1993 (from 39 per cent to 69 per cent of GDP). Last year, debt service payments absorbed 30 per cent of exports, but this ratio will fall as exports recover, though it will remain uncomfortably high for the next few years.

## Main exports 1991-93 (figures in \$m)

| Commodity                                  | 1991  | 1993  |
|--|-------|-------|
| Tobacco                                    | 805   | 805   |
| Gold                                       | 225   | 258   |
| Ferrochrome                                | 155   | 142   |
| Nickel                                     | 97    | 58    |
| Cotton lint                                | 65    | 28    |
| Steel                                      | 29    | 16    |
| Manufactures (of which, Clothing/Textiles) | 340   | 450   |
| Totals                                     | 1,765 | 1,555 |

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**BANKS**

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## CHEMICALS

| Area | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 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| 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 |
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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-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## ELECTRONIC & ELECTRICAL MORT - Cont

[illegible]**EXTRACTIVE INDUSTRIES - Cont.**[illegible]

## HEALTH CARE - Cont

|                | 1984 | 1984 | 1984 |
|----------------|------|------|------|
|                | MI   | MI   | MI   |
| Aluminum       | 242  | 312  | 223  |
| Asphalt        | 100  | 100  | 100  |
| Black Glass    | 200  | 200  | 200  |
| Black Plastic  | 200  | 200  | 200  |
| Brick          | 200  | 200  | 200  |
| Clay Tiles     | 200  | 200  | 200  |
| Cement         | 200  | 200  | 200  |
| Cement Pkg. A  | 200  | 200  | 200  |
| Cement Pkg. B  | 200  | 200  | 200  |
| Cement Pkg. C  | 200  | 200  | 200  |
| Cement Pkg. D  | 200  | 200  | 200  |
| Cement Pkg. E  | 200  | 200  | 200  |
| Cement Pkg. F  | 200  | 200  | 200  |
| Cement Pkg. G  | 200  | 200  | 200  |
| Cement Pkg. H  | 200  | 200  | 200  |
| Cement Pkg. I  | 200  | 200  | 200  |
| Cement Pkg. J  | 200  | 200  | 200  |
| Cement Pkg. K  | 200  | 200  | 200  |
| Cement Pkg. L  | 200  | 200  | 200  |
| Cement Pkg. M  | 200  | 200  | 200  |
| Cement Pkg. N  | 200  | 200  | 200  |
| Cement Pkg. O  | 200  | 200  | 200  |
| Cement Pkg. P  | 200  | 200  | 200  |
| Cement Pkg. Q  | 200  | 200  | 200  |
| Cement Pkg. R  | 200  | 200  | 200  |
| Cement Pkg. S  | 200  | 200  | 200  |
| Cement Pkg. T  | 200  | 200  | 200  |
| Cement Pkg. U  | 200  | 200  | 200  |
| Cement Pkg. V  | 200  | 200  | 200  |
| Cement Pkg. W  | 200  | 200  | 200  |
| Cement Pkg. X  | 200  | 200  | 200  |
| Cement Pkg. Y  | 200  | 200  | 200  |
| Cement Pkg. Z  | 200  | 200  | 200  |
| Cement Pkg. AA | 200  | 200  | 200  |
| Cement Pkg. AB | 200  | 200  | 200  |
| Cement Pkg. AC | 200  | 200  | 200  |
| Cement Pkg. AD | 200  | 200  | 200  |
| Cement Pkg. AE | 200  | 200  | 200  |
| Cement Pkg. AF | 200  | 200  | 200  |
| Cement Pkg. AG | 200  | 200  | 200  |
| Cement Pkg. AH | 200  | 200  | 200  |
| Cement Pkg. AI | 200  | 200  | 200  |
| Cement Pkg. AJ | 200  | 200  | 200  |
| Cement Pkg. AK | 200  | 200  | 200  |
| Cement Pkg. AL | 200  | 200  | 200  |
| Cement Pkg. AM | 200  | 200  | 200  |
| Cement Pkg. AN | 200  | 200  | 200  |
| Cement Pkg. AO | 200  | 200  | 200  |
| Cement Pkg. AP | 200  | 200  | 200  |
| Cement Pkg. AQ | 200  | 200  | 200  |
| Cement Pkg. AR | 200  | 200  | 200  |
| Cement Pkg. AS | 200  | 200  | 200  |
| Cement Pkg. AT | 200  | 200  | 200  |
| Cement Pkg. AU | 200  | 200  | 200  |
| Cement Pkg. AV | 200  | 200  | 200  |
| Cement Pkg. AW | 200  | 200  | 200  |
| Cement Pkg. AX | 200  | 200  | 200  |
| Cement Pkg. AY | 200  | 200  | 200  |
| Cement Pkg. AZ | 200  | 200  | 200  |
| Cement Pkg. BA | 200  | 200  | 200  |
| Cement Pkg. BB | 200  | 200  | 200  |
| Cement Pkg. BC | 200  | 200  | 200  |
| Cement Pkg. BD | 200  | 200  | 200  |
| Cement Pkg. BE | 200  | 200  | 200  |
| Cement Pkg. BF | 200  | 200  | 200  |
| Cement Pkg. BG | 200  | 200  | 200  |
| Cement Pkg. BH | 200  | 200  | 200  |
| Cement Pkg. BI | 200  | 200  | 200  |
| Cement Pkg. BJ | 200  | 200  | 200  |
| Cement Pkg. BK | 200  | 200  | 200  |
| Cement Pkg. BL | 200  | 200  | 200  |
| Cement Pkg. BM | 200  | 200  | 200  |
| Cement Pkg. BN | 200  | 200  | 200  |
| Cement Pkg. BO | 200  | 200  | 200  |
| Cement Pkg. BP | 200  | 200  | 200  |
| Cement Pkg. BQ | 200  | 200  | 200  |
| Cement Pkg. BR | 200  | 200  | 200  |
| Cement Pkg. BS | 200  | 200  | 200  |
| Cement Pkg. BT | 200  | 200  | 200  |
| Cement Pkg. BU | 200  | 200  | 200  |
| Cement Pkg. BV | 200  | 200  | 200  |
| Cement Pkg. BW | 200  | 200  | 200  |
| Cement Pkg. BX | 200  | 200  | 200  |
| Cement Pkg. BY | 200  | 200  | 200  |
| Cement Pkg. BZ | 200  | 200  | 200  |
| Cement Pkg. CA | 200  | 200  | 200  |
| Cement Pkg. CB | 200  | 200  | 200  |
| Cement Pkg. CC | 200  | 200  | 200  |
| Cement Pkg. CD | 200  | 200  | 200  |
| Cement Pkg. CE | 200  | 200  | 200  |
| Cement Pkg. CF | 200  | 200  | 200  |
| Cement Pkg. CG | 200  | 200  | 200  |
| Cement Pkg. CH | 200  | 200  | 200  |
| Cement Pkg. CI | 200  | 200  | 200  |
| Cement Pkg. CJ | 200  | 200  | 200  |
| Cement Pkg. CK | 200  | 200  | 200  |
| Cement Pkg. CL | 200  | 200  | 200  |
| Cement Pkg. CM | 200  | 200  | 200  |
| Cement Pkg. CN | 200  | 200  | 200  |
| Cement Pkg. CO | 200  | 200  | 200  |
| Cement Pkg. CP | 200  | 200  | 200  |

**INVESTMENT TRUSTS - Cont.**[illegible]

## BREWERIES

[illegible]

## DISTRIBUTORS

|  | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 | 2444 | 2445 | 2446 | 2447 | 2448 | 2449 | 2450 | 2451 | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2459 | 2460 | 2461 | 2462 | 2463 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2473 | 2474 | 2475 | 2476 | 2477 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 | 2487 | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2494 | 2495 | 2496 | 2497 | 2498 | 2499 | 2500 | 2501 | 2502 | 2503 | 2504 | 2505 | 2506 | 2507 | 2508 | 2509 | 2510 | 2511 | 2512 | 2513 | 2514 | 2515 | 2516 | 2517 | 2518 | 2519 | 2520 | 2521 | 2522 | 2523 | 2524 | 2525 | 2526 | 2527 | 2528 | 2529 | 2530 | 2531 | 2532 | 2533 | 2534 | 2535 | 2536 | 2537 | 2538 | 2539 | 2540 | 2541 | 2542 | 2543 | 2544 | 2545 | 2546 | 2547 | 2548 | 2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 2692 | 2693 | 2694 | 2695 | 2696 | 2697 | 2698 | 2699 | 2700 | 2701 | 2702 | 2703 | 2704 | 2705 | 2706 | 2707 | 2708 | 2709 | 2710 | 2711 | 2712 | 2713 | 2714 | 2715 | 2716 | 2717 | 2718 | 2719 | 2720 | 2721 | 2722 | 2723 | 2724 | 2725 | 2726 | 2727 | 2728 | 2729 | 2730 | 2731 | 2732 | 2733 | 2734 | 2735 | 2736 | 2737 | 2738 | 2739 | 2740 | 2741 | 2742 | 2743 | 2744 | 2745 | 2746 | 2747 | 2748 | 2749 | 2750 | 2751 | 2752 | 2753 | 2754 | 2755 | 2756 | 2757 | 2758 | 2759 | 2760 | 2761 | 2762 | 2763 | 2764 | 2765 | 2766 | 2767 | 2768 | 2769 | 2770 | 2771 | 2772 | 2773 | 2774 | 2775 | 2776 | 2777 | 2778 | 2779 | 2780 | 2781 | 2782 | 2783 | 2784 | 2785 | 2786 | 2787 | 2788 | 2789 | 2790 | 2791 | 2792 | 2793 | 2794 | 2795 | 2796 | 2797 | 2798 | 2799 | 2800 | 2801 | 2802 | 2803 | 2804 | 2805 | 2806 | 2807 | 2808 | 2809 | 2810 | 2811 | 2812 | 2813 | 2814 | 2815 | 2816 | 2817 | 2818 | 2819 | 2820 | 2821 | 2822 | 2823 | 2824 | 2825 | 2826 | 2827 | 2828 | 2829 | 2830 | 2831 | 2832 | 2833 | 2834 | 2835 | 2836 | 2837 | 2838 | 2839 | 2840 | 2841 | 2842 | 2843 | 2844 | 2845 | 2846 | 2847 | 2848 | 2849 | 2850 | 2851 | 2852 | 2853 | 2854 | 2855 | 2856 | 2857 | 2858 | 2859 | 2860 | 2861 | 2862 | 2863 | 2864 | 2865 | 2866 | 2867 | 2868 | 2869 | 2870 | 2871 | 2872 | 2873 | 2874 | 2875 | 2876 | 2877 | 2878 | 2879 | 2880 | 2881 | 2882 | 2883 | 2884 | 2885 | 2886 | 2887 | 2888 | 2889 | 2890 | 2891 | 2892 | 2893 | 2894 | 2895 | 2896 | 2897 | 2898 | 2899 | 2900 | 2901 | 2902 | 2903 | 2904 | 2905 | 2906 | 2907 | 2908 | 2909 | 2910 | 2911 | 2912 | 2913 | 2914 | 2915 | 2916 | 2917 | 2918 | 2919 | 2920 | 2921 | 2922 | 2923 | 2924 | 2925 | 2926 | 2927 | 2928 | 2929 | 2930 | 2931 | 2932 | 2933 | 2934 | 2935 | 2936 | 2937 | 2938 | 2939 | 2940 | 2941 | 2942 | 2943 | 2944 | 2945 | 2946 | 2947 | 2948 | 2949 | 2950 | 2951 | 2952 | 2953 | 2954 | 2955 | 2956 | 2957 | 2958 | 2959 | 2960 | 2961 | 2962 | 2963 | 2964 | 2965 | 2966 | 2967 | 2968 | 2969 | 2970 | 2971 | 2972 | 2973 | 2974 | 2975 | 2976 | 2977 | 2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
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## ENGINEERING

|                | Notes  | Price  | + or - | High    | 1994   | 1993 | Ytd  |
|----------------|--------|--------|--------|---------|--------|------|------|
| AAA            | 421    | 105    |        | 185     | 119    | 23.5 | 3.4  |
| AA             | 621    | 102    |        | 157     | 127    | 27.2 | 3.5  |
| A              | 108    | 100    |        | 220     | 157    | 21.7 | 3.5  |
| BBB            | 10     | 98     |        | 213     | 14     | 6.06 | 5.8  |
| Amortgage Exp. | 10     | 10     |        | 73      | 27     | 12.7 | 15.1 |
| Aero Rumble    | W      | 31     |        | 128     | 20     | 24.2 | 2.9  |
| Auto           | 40 1/2 | 102    |        | 78      | 27 1/2 | 17.5 | 2.9  |
| Auto Metals    | NH     | 50 1/2 |        | 100 1/4 | 76     | 21.8 | 5.8  |
| Automotive     | W      | 7      |        | 75      | 15     | 10.5 | 5.2  |
| Auto & Lacy    | W      | 125    |        | 175     | 153    | 40.2 | 5.2  |
| Auto Conv      | H      | 54 1/2 |        | 100     | 49     | 38.7 | 5.0  |
| Auto Day & S   | W      | 50 1/2 |        | 100 1/2 | 55 1/2 | 46.7 | 1.7  |

|                |       |    |
|----------------|-------|----|
| Herrin Gold CS | _____ | 21 |
| Impulse Plat R | _____ | 21 |

[illegible]

## INSURANCE

[illegible]

## BUILDING & CONSTRUCTION

| Symbol | Price | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 | 1977 | 1976 | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 | 1959 | 1958 | 1957 | 1956 | 1955 | 1954 | 1953 | 1952 | 1951 | 1950 | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 | 1943 | 1942 | 1941 | 1940 | 1939 | 1938 | 1937 | 1936 | 1935 | 1934 | 1933 | 1932 | 1931 | 1930 | 1929 | 1928 | 1927 | 1926 | 1925 | 1924 | 1923 | 1922 | 1921 | 1920 | 1919 | 1918 | 1917 | 1916 | 1915 | 1914 | 1913 | 1912 | 1911 | 1910 | 1909 | 1908 | 1907 | 1906 | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 | 1895 | 1894 | 1893 | 1892 | 1891 | 1890 | 1889 | 1888 | 1887 | 1886 | 1885 | 1884 | 1883 | 1882 | 1881 | 1880 | 1879 | 1878 | 1877 | 1876 | 1875 | 1874 | 1873 | 1872 | 1871 | 1870 | 1869 | 1868 | 1867 | 1866 | 1865 | 1864 | 1863 | 1862 | 1861 | 1860 | 1859 | 1858 | 1857 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 | 1850 | 1849 | 1848 | 1847 | 1846 | 1845 | 1844 | 1843 | 1842 | 1841 | 1840 | 1839 | 1838 | 1837 | 1836 | 1835 | 1834 | 1833 | 1832 | 1831 | 1830 | 1829 | 1828 | 1827 | 1826 | 1825 | 1824 | 1823 | 1822 | 1821 | 1820 | 1819 | 1818 | 1817 | 1816 | 1815 | 1814 | 1813 | 1812 | 1811 | 1810 | 1809 | 1808 | 1807 | 1806 | 1805 | 1804 | 1803 | 1802 | 1801 | 1800 | 1799 | 1798 | 1797 | 1796 | 1795 | 1794 | 1793 | 1792 | 1791 | 1790 | 1789 | 1788 | 1787 | 1786 | 1785 | 1784 | 1783 | 1782 | 1781 | 1780 | 1779 | 1778 | 1777 | 1776 | 1775 | 1774 | 1773 | 1772 | 1771 | 1770 | 1769 | 1768 | 1767 | 1766 | 1765 | 1764 | 1763 | 1762 | 1761 | 1760 | 1759 | 1758 | 1757 | 1756 | 1755 | 1754 | 1753 | 1752 | 1751 | 1750 | 1749 | 1748 | 1747 | 1746 | 1745 | 1744 | 1743 | 1742 | 1741 | 1740 | 1739 | 1738 | 1737 | 1736 | 1735 | 1734 | 1733 | 1732 | 1731 | 1730 | 1729 | 1728 | 1727 | 1726 | 1725 | 1724 | 1723 | 1722 | 1721 | 1720 | 1719 | 1718 | 1717 | 1716 | 1715 | 1714 | 1713 | 1712 | 1711 | 1710 | 1709 | 1708 | 1707 | 1706 | 1705 | 1704 | 1703 | 1702 | 1701 | 1700 | 1699 | 1698 | 1697 | 1696 | 1695 | 1694 | 1693 | 1692 | 1691 | 1690 | 1689 | 1688 | 1687 | 1686 | 1685 | 1684 | 1683 | 1682 | 1681 | 1680 | 1679 | 1678 | 1677 | 1676 | 1675 | 1674 | 1673 | 1672 | 1671 | 1670 | 1669 | 1668 | 1667 | 1666 | 1665 | 1664 | 1663 | 1662 | 1661 | 1660 | 1659 | 1658 | 1657 | 1656 | 1655 | 1654 | 1653 | 1652 | 1651 | 1650 | 1649 | 1648 | 1647 | 1646 | 1645 | 1644 | 1643 | 1642 | 1641 | 1640 | 1639 | 1638 | 1637 | 1636 | 1635 | 1634 | 1633 | 1632 | 1631 | 1630 | 1629 | 1628 | 1627 | 1626 | 1625 | 1624 | 1623 | 1622 | 1621 | 1620 | 1619 | 1618 | 1617 | 1616 | 1615 | 1614 | 1613 | 1612 | 1611 | 1610 | 1609 | 1608 | 1607 | 1606 | 1605 | 1604 | 1603 | 1602 | 1601 | 1600 | 1599 | 1598 | 1597 | 1596 | 1595 | 1594 | 1593 | 1592 | 1591 | 1590 | 1589 | 1588 | 1587 | 1586 | 1585 | 1584 | 1583 | 1582 | 1581 | 1580 | 1579 | 1578 | 1577 | 1576 | 1575 | 1574 | 1573 | 1572 | 1571 | 1570 | 1569 | 1568 | 1567 | 1566 | 1565 | 1564 | 1563 | 1562 | 1561 | 1560 | 1559 | 1558 | 1557 | 1556 | 1555 | 1554 | 1553 | 1552 | 1551 | 1550 | 1549 | 1548 | 1547 | 1546 | 1545 | 1544 | 1543 | 1542 | 1541 | 1540 | 1539 | 1538 | 1537 | 1536 | 1535 | 1534 | 1533 | 1532 | 1531 | 1530 | 1529 | 1528 | 1527 | 1526 | 1525 | 1524 | 1523 | 1522 | 1521 | 1520 | 1519 | 1518 | 1517 | 1516 | 1515 | 1514 | 1513 | 1512 | 1511 | 1510 | 1509 | 1508 | 1507 | 1506 | 1505 | 1504 | 1503 | 1502 | 1501 | 1500 | 1499 | 1498 | 1497 | 1496 | 1495 | 1494 | 1493 | 1492 | 1491 | 1490 | 1489 | 1488 | 1487 | 1486 | 1485 | 1484 | 1483 | 1482 | 1481 | 1480 | 1479 | 1478 | 1477 | 1476 | 1475 | 1474 | 1473 | 1472 | 1471 | 1470 | 1469 | 1468 | 1467 | 1466 | 1465 | 1464 | 1463 | 1462 | 1461 | 1460 | 1459 | 1458 | 1457 | 1456 | 1455 | 1454 | 1453 | 1452 | 1451 | 1450 | 1449 | 1448 | 1447 | 1446 | 1445 | 1444 | 1443 | 1442 | 1441 | 1440 | 1439 | 1438 | 1437 | 1436 | 1435 | 1434 | 1433 | 1432 | 1431 | 1430 | 1429 | 1428 | 1427 | 1426 | 1425 | 1424 | 1423 | 1422 | 1421 | 1420 | 1419 | 1418 | 1417 | 1416 | 1415 | 1414 | 1413 | 1412 | 1411 | 1410 | 1409 | 1408 | 1407 | 1406 | 1405 | 1404 | 1403 | 1402 | 1401 | 1400 | 1399 | 1398 | 1397 | 1396 | 1395 | 1394 | 1393 | 1392 | 1391 | 1390 | 1389 | 1388 | 1387 | 1386 | 1385 | 1384 | 1383 | 1382 | 1381 | 1380 | 1379 | 1378 | 1377 | 1376 | 1375 | 1374 | 1373 | 1372 | 1371 | 1370 | 1369 | 1368 | 1367 | 1366 | 1365 | 1364 | 1363 | 1362 | 1361 | 1360 | 1359 | 1358 | 1357 | 1356 | 1355 | 1354 | 1353 | 1352 | 1351 | 1350 | 1349 | 1348 | 1347 | 1346 | 1345 | 1344 | 1343 | 1342 | 1341 | 1340 | 1339 | 1338 | 1337 | 1336 | 1335 | 1334 | 1333 | 1332 | 1331 | 1330 | 1329 | 1328 | 1327 | 1326 | 1325 | 1324 | 1323 | 1322 | 1321 | 1320 | 1319 | 1318 | 1317 | 1316 | 1315 | 1314 | 1313 | 1312 | 1311 | 1310 | 1309 | 1308 | 1307 | 1306 | 1305 | 1304 | 1303 | 1302 | 1301 | 1300 | 1299 | 1298 | 1297 | 1296 | 1295 | 1294 | 1293 | 1292 | 1291 | 1290 | 1289 | 1288 | 1287 | 1286 | 1285 | 1284 | 1283 | 1282 | 1281 | 1280 | 1279 | 1278 | 1277 | 1276 | 1275 | 1274 | 1273 | 1272 | 1271 | 1270 | 1269 | 1268 | 1267 | 1266 | 1265 | 1264 | 1263 | 1262 | 1261 | 1260 | 1259 | 1258 | 1257 | 1256 | 1255 | 1254 | 1253 | 1252 | 1251 | 1250 | 1249 | 1248 | 1247 | 1246 | 1245 | 1244 | 1243 | 1242 | 1241 | 1240 | 1239 | 1238 | 1237 | 1236 | 1235 | 1234 | 1233 | 1232 | 1231 | 1230 | 1229 | 1228 | 1227 | 1226 | 1225 | 1224 | 1223 | 1222 | 1221 | 1220 | 1219 | 1218 | 1217 | 1216 | 1215 | 1214 | 1213 | 1212 | 1211 | 1210 | 1209 | 1208 | 1207 | 1206 | 1205 | 1204 | 1203 | 1202 | 1201 | 1200 | 1199 | 1198 | 1197 | 1196 | 1195 | 1194 | 1193 | 1192 | 1191 | 1190 | 1189 | 1188 | 1187 | 1186 | 1185 | 1184 | 1183 | 1182 | 1181 | 1180 | 1179 | 1178 | 1177 | 1176 | 1175 | 1174 | 1173 | 1172 | 1171 | 1170 | 1169 | 1168 | 1167 | 1166 | 1165 | 1164 | 1163 | 1162 | 1161 | 1160 | 1159 | 1158 | 1157 | 1156 | 1155 | 1154 | 1153 | 1152 | 1151 | 1150 | 1149 | 1148 | 1147 | 1146 | 1145 | 1144 | 1143 | 1142 | 1141 | 1140 | 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996 | 995 | 994 | 993 | 992 | 991 | 990 | 989 | 988 | 987 | 986 | 985 | 984 | 983 | 982 | 981 | 980 | 979 | 978 | 977 | 976 | 975 | 974 | 973 | 972 | 971 | 970 | 969 | 968 | 967 | 966 | 965 | 964 | 963 | 962 | 961 | 960 | 959 | 958 | 957 | 956 | 955 | 954 | 953 | 952 | 951 | 950 | 949 | 948 | 947 | 946 | 945 | 944 | 943 | 942 | 941 | 940 | 939 | 938 | 937 | 936 | 935 | 934 | 933 | 932 | 931 | 930 | 929 | 928 | 927 | 926 | 925 | 924 | 923 | 922 | 921 | 920 | 919 | 918 | 917 | 916 | 915 | 914 | 913 | 912 | 911 | 910 | 909 | 908 | 907 | 906 | 905 | 904 | 903 | 902 | 901 | 900 | 899 | 898 | 897 | 896 | 895 | 894 | 893 | 892 | 891 | 890 | 889 | 888 | 887 | 886 | 885 | 884 | 883 | 882 | 881 | 880 | 879 | 878 | 877 | 876 | 875 | 874 | 873 | 872 | 871 | 870 | 869 | 868 | 867 | 866 | 865 | 864 | 863 | 862 | 861 | 860 | 859 | 858 | 857 | 856 | 855 | 854 | 853 | 852 | 851 | 850 | 849 | 848 | 847 | 846 | 845 | 844 | 843 | 842 | 841 | 840 | 839 | 838 | 837 | 836 | 835 | 834 | 833 | 832 | 831 | 830 | 829 | 828 | 827 | 826 | 825 | 824 | 823 | 822 | 821 | 820 | 819 | 818 | 817 | 816 | 815 | 814 | 813 | 812 | 811 | 810 | 809 | 808 | 807 | 806 | 805 | 804 | 803 | 802 | 801 | 800 | 799 | 798 | 797 | 796 | 795 | 794 | 793 | 792 | 791 | 790 | 789 | 788 | 787 | 786 | 785 | 784 | 783 | 782 | 781 | 780 | 779 | 778 | 777 | 776 | 775 | 774 | 773 | 772 | 771 | 770 | 769 | 768 | 767 | 766 | 765 | 764 | 763 | 762 | 761 | 760 | 759 | 758 | 757 | 756 | 755 | 754 | 753 | 752 | 751 | 750 | 749 | 748 | 747 | 746 | 745 | 744 | 743 | 742 | 741 | 740 | 739 | 738 | 737 | 736 | 735 | 734 | 733 | 732 | 731 | 730 | 729 | 728 | 727 | 726 | 725 | 724 | 723 | 722 | 721 | 720 | 719 | 718 | 717 | 716 | 715 | 714 | 713 | 712 | 711 | 710 | 709 | 708 | 707 | 706 | 705 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 696 | 695 | 694 | 693 | 692 | 691 | 690 | 689 | 688 | 687 | 686 | 685 | 684 | 683 | 682 | 681 | 680 | 679 | 678 | 677 | 676 | 675 | 674 | 673 | 672 | 671 | 670 | 669 | 668 | 667 | 666 | 665 | 664 | 663 | 662 | 661 | 660 | 659 | 658 | 657 | 656 | 655 | 654 | 653 | 652 | 651 | 650 | 649 | 648 | 647 | 646 | 645 | 644 | 643 | 642 | 641 | 640 | 639 | 638 | 637 | 636 | 635 | 634 | 633 | 632 | 631 | 630 | 629 | 628 | 627 | 626 | 625 | 624 | 623 | 622 | 621 | 620 | 619 | 618 | 617 | 616 | 615 | 614 | 613 | 612 | 611 | 610 | 609 | 608 | 607 | 606 | 605 | 604 | 603 | 602 | 601 | 600 | 599 | 598 | 597 | 596 | 595 | 594 | 593 | 592 | 591 | 590 | 589 | 588 | 587 | 586 | 585 | 584 | 583 | 582 | 581 | 580 | 579 | 578 | 577 | 576 | 575 | 574 | 573 |
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#### DIVERSIFIED INDUSTRIALS

[illegible]

84pc Liv Pl                      99  
315

[illegible]

## FOOD MANUFACTURERS

[illegible]

## INVESTMENT TRUSTS

[illegible]

## BUILDING MATS. & MERCHANTS

[illegible]

## ELECTRICITY

[illegible]

## ENGINEERING VEHICLES

[illegible]

## HEALTH CARE

[illegible]

Warrant No. \_\_\_\_\_  
 Date \_\_\_\_\_

|               |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    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| United States | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 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2549 | 2550 | 2551 | 2552 | 2553 | 2554 | 2555 | 2556 | 2557 | 2558 | 2559 | 2560 | 2561 | 2562 | 2563 | 2564 | 2565 | 2566 | 2567 | 2568 | 2569 | 2570 | 2571 | 2572 | 2573 | 2574 | 2575 | 2576 | 2577 | 2578 | 2579 | 2580 | 2581 | 2582 | 2583 | 2584 | 2585 | 2586 | 2587 | 2588 | 2589 | 2590 | 2591 | 2592 | 2593 | 2594 | 2595 | 2596 | 2597 | 2598 | 2599 | 2600 | 2601 | 2602 | 2603 | 2604 | 2605 | 2606 | 2607 | 2608 | 2609 | 2610 | 2611 | 2612 | 2613 | 2614 | 2615 | 2616 | 2617 | 2618 | 2619 | 2620 | 2621 | 2622 | 2623 | 2624 | 2625 | 2626 | 2627 | 2628 | 2629 | 2630 | 2631 | 2632 | 2633 | 2634 | 2635 | 2636 | 2637 | 2638 | 2639 | 2640 | 2641 | 2642 | 2643 | 2644 | 2645 | 2646 | 2647 | 2648 | 2649 | 2650 | 2651 | 2652 | 2653 | 2654 | 2655 | 2656 | 2657 | 2658 | 2659 | 2660 | 2661 | 2662 | 2663 | 2664 | 2665 | 2666 | 2667 | 2668 | 2669 | 2670 | 2671 | 2672 | 2673 | 2674 | 2675 | 2676 | 2677 | 2678 | 2679 | 2680 | 2681 | 2682 | 2683 | 2684 | 2685 | 2686 | 2687 | 2688 | 2689 | 2690 | 2691 | 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2978 | 2979 | 2980 | 2981 | 2982 | 2983 | 2984 | 2985 | 2986 | 2987 | 2988 | 2989 | 2990 | 2991 | 2992 | 2993 | 2994 | 2995 | 2996 | 2997 | 2998 | 2999 | 3000 | 3001 | 3002 | 3003 | 3004 | 3005 | 3006 | 3007 | 3008 | 3009 | 3010 | 3011 | 3012 | 3013 | 3014 | 3015 | 3016 | 3017 | 3018 | 3019 | 3020 | 3021 | 3022 | 3023 | 3024 | 3025 | 3026 | 3027 | 3028 | 3029 | 3030 | 3031 | 3032 | 3033 | 3034 | 3035 | 3036 | 3037 | 3038 | 3039 | 3040 | 3041 | 3042 | 3043 | 3044 | 3045 | 3046 | 3047 | 3048 | 3049 | 3050 | 3051 | 3052 | 3053 | 3054 | 3055 | 3056 | 3057 | 3058 | 3059 | 3060 | 3061 | 3062 | 3063 | 3064 | 3065 | 3066 | 3067 | 3068 | 3069 | 3070 | 3071 | 3072 | 3073 | 3074 | 3075 | 3076 | 3077 | 3078 | 3079 | 3080 | 3081 | 3082 | 3083 | 3084 | 3085 | 3086 | 3087 | 3088 | 3089 | 3090 | 3091 | 3092 | 3093 | 3094 | 3095 | 3096 | 3097 | 3098 | 3099 | 3100 | 3101 | 3102 | 3103 | 3104 | 3105 | 3106 | 3107 | 3108 | 3109 | 3110 | 3111 | 3112 | 3113 | 3114 | 3115 | 3116 | 3117 | 3118 | 3119 | 3120 | 3121 | 3122 | 3123 | 3124 | 3125 | 3126 | 3127 | 3128 | 3129 | 3130 | 3131 | 3132 | 3133 | 3134 | 3135 | 3136 | 3137 | 3138 | 3139 | 3140 | 3141 | 3142 | 3143 | 3144 | 3145 | 3146 | 3147 | 3148 | 3149 | 3150 | 3151 | 3152 | 3153 | 3154 | 3155 | 3156 | 3157 | 3158 | 3159 | 3160 | 3161 | 3162 | 3163 | 3164 | 3165 | 3166 | 3167 | 3168 | 3169 | 3170 | 3171 | 3172 | 3173 | 3174 | 3175 | 3176 | 3177 | 3178 | 3179 | 3180 | 3181 | 3182 | 3183 | 3184 | 3185 | 3186 | 3187 | 3188 | 3189 | 3190 | 3191 | 3192 | 3193 | 3194 | 3195 | 3196 | 3197 | 3198 | 3199 | 3200 | 3201 | 3202 | 3203 | 3204 | 3205 | 3206 | 3207 | 3208 | 3209 | 3210 | 3211 | 3212 | 3213 | 3214 | 3215 | 3216 | 3217 | 3218 | 3219 | 3220 | 3221 | 3222 | 3223 | 3224 | 3225 | 3226 | 3227 | 3228 | 3229 | 3230 | 3231 | 3232 | 3233 | 3234 | 3235 | 3236 | 3237 | 3238 | 3239 | 3240 | 3241 | 3242 | 3243 | 3244 | 3245 | 3246 | 3247 | 3248 | 3249 | 3250 | 3251 | 3252 | 3253 | 3254 | 3255 | 3256 | 3257 | 3258 | 3259 | 3260 | 3261 | 3262 | 3263 | 3264 | 3265 | 3266 | 3267 | 3268 | 3269 | 3270 | 3271 | 3272 | 3273 | 3274 | 3275 | 3276 | 3277 | 3278 | 3279 | 3280 | 3281 | 3282 | 3283 | 3284 | 3285 | 3286 | 3287 | 3288 | 3289 | 3290 | 3291 | 3292 | 3293 | 3294 | 3295 | 3296 | 3297 | 3298 | 3299 | 3300 | 3301 | 3302 | 3303 | 3304 | 3305 | 3306 | 3307 | 3308 | 3309 | 3310 | 3311 | 3312 | 3313 | 3314 | 3315 | 3316 | 3317 | 3318 | 3319 | 3320 | 3321 | 3322 | 3323 | 3324 | 3325 | 3326 | 3327 | 3328 | 3329 | 3330 | 3331 | 3332 | 3333 | 3334 | 3335 | 3336 | 3337 | 3338 | 3339 | 3340 | 3341 | 3342 | 3343 | 3344 | 3345 | 3346 | 3347 | 3348 | 3349 | 3350 | 3351 | 3352 | 3353 | 3354</ |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------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Survey form ☒ FIVE 3

|                              |     |     |     |     |      |      |
|------------------------------|-----|-----|-----|-----|------|------|
| University of Illinois       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Iowa           | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Kentucky       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Michigan       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Minnesota      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Missouri       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Nebraska       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of North Carolina | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Oklahoma       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Oregon         | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Pennsylvania   | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of South Carolina | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Tennessee      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Texas          | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Virginia       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Washington     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Wisconsin      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Wyoming        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Arizona        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of California     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Colorado       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Connecticut    | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Delaware       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Florida        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Georgia        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Hawaii         | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Idaho          | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Kansas         | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Louisiana      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Maryland       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Massachusetts  | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Montana        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Nevada         | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of New Hampshire  | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of New Jersey     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of New Mexico     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of New York       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of North Dakota   | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Ohio           | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Oklahoma       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Oregon         | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Pennsylvania   | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Rhode Island   | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of South Carolina | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Tennessee      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Texas          | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Utah           | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Vermont        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Virginia       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Washington     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Wisconsin      | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Wyoming        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Arizona        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of California     | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Colorado       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Connecticut    | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Delaware       | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |
| University of Florida        | 252 | 252 | 318 | 1.4 | 49.2 | -0.5 |








**BERMUDA (SIB RECOGNISED)**[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      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| 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 | 1977 | 1976 | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 | 1959 | 1958 | 1957 | 1956 | 1955 | 1954 | 1953 | 1952 | 1951 | 1950 | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 | 1943 | 1942 | 1941 | 1940 | 1939 | 1938 | 1937 | 1936 | 1935 | 1934 | 1933 | 1932 | 1931 | 1930 | 1929 | 1928 | 1927 | 1926 | 1925 | 1924 | 1923 | 1922 | 1921 | 1920 | 1919 | 1918 | 1917 | 1916 | 1915 | 1914 | 1913 | 1912 | 1911 | 1910 | 1909 | 1908 | 1907 | 1906 | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 | 1895 | 1894 | 1893 | 1892 | 1891 | 1890 | 1889 | 1888 | 1887 | 1886 | 1885 | 1884 | 1883 | 1882 | 1881 | 1880 | 1879 | 1878 | 1877 | 1876 | 1875 | 1874 | 1873 | 1872 | 1871 | 1870 | 1869 | 1868 | 1867 | 1866 | 1865 | 1864 | 1863 | 1862 | 1861 | 1860 | 1859 | 1858 | 1857 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 | 1850 | 1849 | 1848 | 1847 | 1846 | 1845 | 1844 | 1843 | 1842 | 1841 | 1840 | 1839 | 1838 | 1837 | 1836 | 1835 | 1834 | 1833 | 1832 | 1831 | 1830 | 1829 | 1828 | 1827 | 1826 | 1825 | 1824 | 1823 | 1822 | 1821 | 1820 | 1819 | 1818 | 1817 | 1816 | 1815 | 1814 | 1813 | 1812 | 1811 | 1810 | 1809 | 1808 | 1807 | 1806 | 1805 | 1804 | 1803 | 1802 | 1801 | 1800 | 1799 | 1798 | 1797 | 1796 | 1795 | 1794 | 1793 | 1792 | 1791 | 1790 | 1789 | 1788 | 1787 | 1786 | 1785 | 1784 | 1783 | 1782 | 1781 | 1780 | 1779 | 1778 | 1777 | 1776 | 1775 | 1774 | 1773 | 1772 | 1771 | 1770 | 1769 | 1768 | 1767 | 1766 | 1765 | 1764 | 1763 | 1762 | 1761 | 1760 | 1759 | 1758 | 1757 | 1756 | 1755 | 1754 | 1753 | 1752 | 1751 | 1750 | 1749 | 1748 | 1747 | 1746 | 1745 | 1744 | 1743 | 1742 | 1741 | 1740 | 1739 | 1738 | 1737 | 1736 | 1735 | 1734 | 1733 | 1732 | 1731 | 1730 | 1729 | 1728 | 1727 | 1726 | 1725 | 1724 | 1723 | 1722 | 1721 | 1720 | 1719 | 1718 | 1717 | 1716 | 1715 | 1714 | 1713 | 1712 | 1711 | 1710 | 1709 | 1708 | 1707 | 1706 | 1705 | 1704 | 1703 | 1702 | 1701 | 1700 | 1699 | 1698 | 1697 | 1696 | 1695 | 1694 | 1693 | 1692 | 1691 | 1690 | 1689 | 1688 | 1687 | 1686 | 1685 | 1684 | 1683 | 1682 | 1681 | 1680 | 1679 | 1678 | 1677 | 1676 | 1675 | 1674 | 1673 | 1672 | 1671 | 1670 | 1669 | 1668 | 1667 | 1666 | 1665 | 1664 | 1663 | 1662 | 1661 | 1660 | 1659 | 1658 | 1657 | 1656 | 1655 | 1654 | 1653 | 1652 | 1651 | 1650 | 1649 | 1648 | 1647 | 1646 | 1645 | 1644 | 1643 | 1642 | 1641 | 1640 | 1639 | 1638 | 1637 | 1636 | 1635 | 1634 | 1633 | 1632 | 1631 | 1630 | 1629 | 1628 | 1627 | 1626 | 1625 | 1624 | 1623 | 1622 | 1621 | 1620 | 1619 | 1618 | 1617 | 1616 | 1615 | 1614 | 1613 | 1612 | 1611 | 1610 | 1609 | 1608 | 1607 | 1606 | 1605 | 1604 | 1603 | 1602 | 1601 | 1600 | 1599 | 1598 | 1597 | 1596 | 1595 | 1594 | 1593 | 1592 | 1591 | 1590 | 1589 | 1588 | 1587 | 1586 | 1585 | 1584 | 1583 | 1582 | 1581 | 1580 | 1579 | 1578 | 1577 | 1576 | 1575 | 1574 | 1573 | 1572 | 1571 | 1570 | 1569 | 1568 | 1567 | 1566 | 1565 | 1564 | 1563 | 1562 | 1561 | 1560 | 1559 | 1558 | 1557 | 1556 | 1555 | 1554 | 1553 | 1552 | 1551 | 1550 | 1549 | 1548 | 1547 | 1546 | 1545 | 1544 | 1543 | 1542 | 1541 | 1540 | 1539 | 1538 | 1537 | 1536 | 1535 | 1534 | 1533 | 1532 | 1531 | 1530 | 1529 | 1528 | 1527 | 1526 | 1525 | 1524 | 1523 | 1522 | 1521 | 1520 | 1519 | 1518 | 1517 | 1516 | 1515 | 1514 | 1513 | 1512 | 1511 | 1510 | 1509 | 1508 | 1507 | 1506 | 1505 | 1504 | 1503 | 1502 | 1501 | 1500 | 1499 | 1498 | 1497 | 1496 | 1495 | 1494 | 1493 | 1492 | 1491 | 1490 | 1489 | 1488 | 1487 | 1486 | 1485 | 1484 | 1483 | 1482 | 1481 | 1480 | 1479 | 1478 | 1477 | 1476 | 1475 | 1474 | 1473 | 1472 | 1471 | 1470 | 1469 | 1468 | 1467 | 1466 | 1465 | 1464 | 1463 | 1462 | 1461 | 1460 | 1459 | 1458 | 1457 | 1456 | 1455 | 1454 | 1453 | 1452 | 1451 | 1450 | 1449 | 1448 | 1447 | 1446 | 1445 | 1444 | 1443 | 1442 | 1441 | 1440 | 1439 | 1438 | 1437 | 1436 | 1435 | 1434 | 1433 | 1432 | 1431 | 1430 | 1429 | 1428 | 1427 | 1426 | 1425 | 1424 | 1423 | 1422 | 1421 | 1420 | 1419 | 1418 | 1417 | 1416 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| 1272 | 1271 | 1270 | 1269 | 1268 | 1267 | 1266 | 1265 | 1264 | 1263 | 1262 | 1261 | 1260 | 1259 | 1258 | 1257 | 1256 | 1255 | 1254 | 1253 | 1252 | 1251 | 1250 | 1249 | 1248 | 1247 | 1246 | 1245 | 1244 | 1243 | 1242 | 1241 | 1240 | 1239 | 1238 | 1237 | 1236 | 1235 | 1234 | 1233 | 1232 | 1231 | 1230 | 1229 | 1228 | 1227 | 1226 | 1225 | 1224 | 1223 | 1222 | 1221 | 1220 | 1219 | 1218 | 1217 | 1216 | 1215 | 1214 | 1213 | 1212 | 1211 | 1210 | 1209 | 1208 | 1207 | 1206 | 1205 | 1204 | 1203 | 1202 | 1201 | 1200 | 1199 | 1198 | 1197 | 1196 | 1195 | 1194 | 1193 | 1192 | 1191 | 1190 | 1189 | 1188 | 1187 | 1186 | 1185 | 1184 | 1183 | 1182 | 1181 | 1180 | 1179 | 1178 | 1177 | 1176 | 1175 | 1174 | 1173 | 1172 | 1171 | 1170 | 1169 | 1168 | 1167 | 1166 | 1165 | 1164 | 1163 | 1162 | 1161 | 1160 | 1159 | 1158 | 1157 | 1156 | 1155 | 1154 | 1153 | 1152 | 1151 | 1150 | 1149 | 1148 | 1147 | 1146 | 1145 | 1144 | 1143 | 1142 | 1141 | 1140 | 1139 | 1138 | 1137 | 1136 | 1135 | 1134 | 1133 | 1132 | 1131 | 1130 | 1129 | 1128 | 1127 | 1126 | 1125 | 1124 | 1123 | 1122 | 1121 | 1120 | 1119 | 1118 | 1117 | 1116 | 1115 | 1114 | 1113 | 1112 | 1111 | 1110 | 1109 | 1108 | 1107 | 1106 | 1105 | 1104 | 1103 | 1102 | 1101 | 1100 | 1099 | 1098 | 1097 | 1096 | 1095 | 1094 | 1093 | 1092 | 1091 | 1090 | 1089 | 1088 | 1087 | 1086 | 1085 | 1084 | 1083 | 1082 | 1081 | 1080 | 1079 | 1078 | 1077 | 1076 | 1075 | 1074 | 1073 | 1072 | 1071 | 1070 | 1069 | 1068 | 1067 | 1066 | 1065 | 1064 | 1063 | 1062 | 1061 | 1060 | 1059 | 1058 | 1057 | 1056 | 1055 | 1054 | 1053 | 1052 | 1051 | 1050 | 1049 | 1048 | 1047 | 1046 | 1045 | 1044 | 1043 | 1042 | 1041 | 1040 | 1039 | 1038 | 1037 | 1036 | 1035 | 1034 | 1033 | 1032 | 1031 | 1030 | 1029 | 1028 | 1027 | 1026 | 1025 | 1024 | 1023 | 1022 | 1021 | 1020 | 1019 | 1018 | 1017 | 1016 | 1015 | 1014 | 1013 | 1012 | 1011 | 1010 | 1009 | 1008 | 1007 | 1006 | 1005 | 1004 | 1003 | 1002 | 1001 | 1000 | 999 | 998 | 997 | 996 | 995 | 994 | 993 | 992 | 991 | 990 | 989 | 988 | 987 | 986 | 985 | 984 | 983 | 982 | 981 | 980 | 979 | 978 | 977 | 976 | 975 | 974 | 973 | 972 | 971 | 970 | 969 | 968 | 967 | 966 | 965 | 964 | 963 | 962 | 961 | 960 | 959 | 958 | 957 | 956 | 955 | 954 | 953 | 952 | 951 | 950 | 949 | 948 | 947 | 946 | 945 | 944 | 943 | 942 | 941 | 940 | 939 | 938 | 937 | 936 | 935 | 934 | 933 | 932 | 931 | 930 | 929 | 928 | 927 | 926 | 925 | 924 | 923 | 922 | 921 | 920 | 919 | 918 | 917 | 916 | 915 | 914 | 913 | 912 | 911 | 910 | 909 | 908 | 907 | 906 | 905 | 904 | 903 | 902 | 901 | 900 | 899 | 898 | 897 | 896 | 895 | 894 | 893 | 892 | 891 | 890 | 889 | 888 | 887 | 886 | 885 | 884 | 883 | 882 | 881 | 880 | 879 | 878 | 877 | 876 | 875 | 874 | 873 | 872 | 871 | 870 | 869 | 868 | 867 | 866 | 865 | 864 | 863 | 862 | 861 | 860 | 859 | 858 | 857 | 856 | 855 | 854 | 853 | 852 | 851 | 850 | 849 | 848 | 847 | 846 | 845 | 844 | 843 | 842 | 841 | 840 | 839 | 838 | 837 | 836 | 835 | 834 | 833 | 832 | 831 | 830 | 829 | 828 | 827 | 826 | 825 | 824 | 823 | 822 | 821 | 820 | 819 | 818 | 817 | 816 | 815 | 814 | 813 | 812 | 811 | 810 | 809 | 808 | 807 | 806 | 805 | 804 | 803 | 802 | 801 | 800 | 799 | 798 | 797 | 796 | 795 | 794 | 793 | 792 | 791 | 790 | 789 | 788 | 787 | 786 | 785 | 784 | 783 | 782 | 781 | 780 | 779 | 778 | 777 | 776 | 775 | 774 | 773 | 772 | 771 | 770 | 769 | 768 | 767 | 766 | 765 | 764 | 763 | 762 | 761 | 760 | 759 | 758 | 757 | 756 | 755 | 754 | 753 | 752 | 751 | 750 | 749 | 748 | 747 | 746 | 745 | 744 | 743 | 742 | 741 | 740 | 739 | 738 | 737 | 736 | 735 | 734 | 733 | 732 | 731 | 730 | 729 | 728 | 727 | 726 | 725 | 724 | 723 | 722 | 721 | 720 | 719 | 718 | 717 | 716 | 715 | 714 | 713 | 712 | 711 | 710 | 709 | 708 | 707 | 706 | 705 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 696 | 695 | 694 | 693 | 692 | 691 | 690 | 689 | 688 | 687 | 686 | 685 | 684 | 683 | 682 | 681 | 680 | 679 | 678 | 677 | 676 | 675 | 674 | 673 | 672 | 671 | 670 | 669 | 668 | 667 | 666 | 665 | 664 | 663 | 662 | 661 | 660 | 659 | 658 | 657 | 656 | 655 | 654 | 653 | 652 | 651 | 650 | 649 | 648 | 647 | 646 | 645 | 644 | 643 | 642 | 641 | 640 | 639 | 638 | 637 | 636 | 635 | 634 | 633 | 632 | 631 | 630 | 629 | 628 | 627 | 626 | 625 | 624 | 623 | 622 | 621 | 620 | 619 | 618 | 617 | 616 | 615 | 614 | 613 | 612 | 611 | 610 | 609 | 608 | 607 | 606 | 605 | 604 | 603 | 602 | 601 | 600 | 599 | 598 | 597 | 596 | 595 | 594 | 593 | 592 | 591 | 590 | 589 | 588 | 587 | 586 | 585 | 584 | 583 | 582 | 581 | 580 | 579 | 578 | 577 | 576 | 575 | 574 | 573 | 572 | 571 | 570 | 569 | 568 | 567 | 566 | 565 | 564 |
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| US INDICES   |                                     |                                     |                                     |                                     |                                     |                                     |
|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Dow Jones  | Dec 5                               | Dec 1                               | Dec 1                               | 1994                                | Size                                | Completion                          |
|  |                                     |                                     | High                                | High                                | High                                | High                                |
| Industrials  | 3741.32                             | 3745.82                             | 3708.87                             | 3917.38                             | 3883.95                             | 3978.56                             |
|  |                                     |                                     |                                     | (3174)                              | (644)                               | (3775)                              |
| Home Bldgs   | 94.02                               | 93.89                               | 93.83                               | 105.91                              | 93.31                               | 100.77                              |
|  |                                     |                                     |                                     | (2317)                              | (2317)                              | (2709)                              |
| Utilities  | 1432.51                             | 1438.40                             | 1431.04                             | 1488.28                             | 1422.19                             | 1488.28                             |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| Transport  | 188.10                              | 178.61                              | 177.47                              | 222.58                              | 173.34                              | 206.46                              |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| DJ Ind. Dvly. Hdg 3774.89 (3755.04)  | DJ Ind. Dvly. Hdg 3774.89 (3755.04) | DJ Ind. Dvly. Hdg 3774.89 (3755.04) | DJ Ind. Dvly. Hdg 3774.89 (3755.04) | DJ Ind. Dvly. Hdg 3774.89 (3755.04) | DJ Ind. Dvly. Hdg 3774.89 (3755.04) | DJ Ind. Dvly. Hdg 3774.89 (3755.04) |
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| Standard and Poors   |                                     |                                     |                                     |                                     |                                     |                                     |
| Composite 4  | 453.32                              | 453.30                              | 448.92                              | 492.80                              | 458.92                              | 492.80                              |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| Industrials  | 538.12                              | 538.83                              | 533.72                              | 582.10                              | 510.65                              | 582.10                              |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| Financial  | 41.48                               | 41.26                               | 40.75                               | 48.94                               | 39.87                               | 46.48                               |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| NYSE Comp  | 348.06                              | 348.01                              | 346.04                              | 391.47                              | 353.67                              | 392.71                              |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| Amer. Mkt. Val   | 422.25                              | 424.62                              | 431.19                              | 487.88                              | 422.87                              | 487.88                              |
|  |                                     |                                     |                                     | (2271)                              | (2271)                              | (2294)                              |
| NASDAQ Comp  | 746.71                              | 746.02                              | 740.81                              | 863.88                              | 850.79                              | 863.88                              |
|  |                                     |                                     |                                     | (1182)                              | (948)                               | (1874)                              |
| ■ RATINGS  |                                     |                                     |                                     |                                     |                                     |                                     |
| Dow Jones Ind. Dvly. Yield   | Dec 2                               | Dec 5                               | Nov 18                              | Year ago                            | Year ago                            | Year ago                            |
|  | 2.84                                | 2.87                                | 2.71                                | 2.78                                | 2.70                                | 2.70                                |
|  | Nov 20                              | Nov 18                              | Nov 18                              | Nov 18                              | Nov 18                              | Nov 18                              |
| S & P Ind. Dvly. Yield   | 2.48                                | 2.49                                | 2.38                                | 2.38                                | 2.30                                | 2.30                                |
| S & P Ind. P/E ratio   | 18.42                               | 18.25                               | 18.20                               | 18.20                               | 17.14                               | 17.14                               |
| ■ STANDARD AND POORS 500 INDEX FUTURES 500 Index: Dec 5  |                                     |                                     |                                     |                                     |                                     |                                     |
|  | Open                                | Latest                              | Change                              | High                                | Low                                 | Open Int.                           |
| Dec  | 454.05                              | 462.60                              | -1.55                               | 454.76                              | 451.05                              | 78,839                              |
| Mar  | 455.50                              | 459.75                              | -1.46                               | 456.15                              | 452.00                              | 17,750                              |
| Jun  | 460.05                              | 458.70                              | -1.35                               | 460.03                              | 459.70                              | 672                                 |
| Open interest figures are for previous day.  |                                     |                                     |                                     |                                     |                                     |                                     |
| ■ NEW YORK CATTLE STOCKS   |                                     |                                     |                                     |                                     |                                     |                                     |
| Monday   | Stocks listed                       | Cow price                           | Change                              | Open                                | Close                               | Open Int.                           |
|  |                                     |                                     |                                     |                                     |                                     |                                     |
| Herman   | 3,325,000                           | 18%                                 | -                                   |                                     |                                     |                                     |
| RJR Nabors   | 3,329,000                           | 6%                                  | -164                                |                                     |                                     |                                     |
| A T & T  | 4,423,000                           | 47%                                 | -                                   |                                     |                                     |                                     |
| Comcast  | 3,324,000                           | 40%                                 | -                                   |                                     |                                     |                                     |
| Gen Motors   | 2,810,200                           | 34%                                 | -                                   |                                     |                                     |                                     |
| PPF Ind  | 2,388,400                           | 35%                                 | -14                                 |                                     |                                     |                                     |
| McDonalds  | 2,862,000                           | 26%                                 | -                                   |                                     |                                     |                                     |
| Delta  | 2,120,000                           | 45%                                 | +11                                 |                                     |                                     |                                     |
| IBM  | 2,045,000                           | 71%                                 | -                                   |                                     |                                     |                                     |
| Bank   | 2,002,700                           | 37%                                 | -                                   |                                     |                                     |                                     |
| ■ TRADING ACTIVITY   |                                     |                                     |                                     |                                     |                                     |                                     |
|  | Stocks (million)                    | Dec 5                               | Dec 1                               | Dec 1                               | Dec 1                               | Dec 1                               |
|  |                                     |                                     |                                     |                                     |                                     |                                     |
| New York SE  | 259,457                             | 284,748                             | 282,226                             |                                     |                                     |                                     |
| Amer   | 18,892                              | 14,761                              | 16,998                              |                                     |                                     |                                     |
| NYSE   | 201,427                             | 230,567                             | 230,567                             |                                     |                                     |                                     |
| Issued   | 2,828                               | 2,825                               | 2,825                               |                                     |                                     |                                     |
| Flows  | 1,164                               | 1,425                               | 671                                 |                                     |                                     |                                     |
| Unchanged  | 1,650                               | 870                                 | 1,550                               |                                     |                                     |                                     |
| Unchanged  | 884                                 | 720                                 | 720                                 |                                     |                                     |                                     |
| Unchanged  | 11                                  | 4                                   | 1                                   |                                     |                                     |                                     |
| Unchanged  | 103                                 | 130                                 | 130                                 |                                     |                                     |                                     |
| ■ ENDING INDEXES 2: Industrial, plus Utilities, Financial and Transportation.  |                                     |                                     |                                     |                                     |                                     |                                     |
| These are the averages of the highest and lowest prices reached during the day by each stock as reported by Reuters. |                                     |                                     |                                     |                                     |                                     |                                     |
| Source: Reuters. * Subject to official recalculation.  |                                     |                                     |                                     |                                     |                                     |                                     |

† Correction. \* Calculated at 15.00 GMT. † Excluding bonds. ‡ Industrial, plus Utilities, Financial and Transportation.  
 ‡ The DJ Ind. Index theoretical day's highs and lows are the averages of the highest and lowest prices reached during the day by each stock; whereas the actual day's highs and lows (supplied by Telekurs) represent the highest and lowest values that the index has reached during the day. (The figures in brackets are previous day's). ¶ Subject to official recalculation.

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## AMERICA

## Dow drops before turning more positive

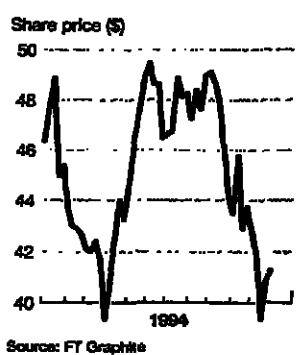
## Wall Street

US share prices were mixed after bouncing back from early morning lows on the heels of bond prices that rose across the maturity spectrum, writes *Lisa Branstetter in New York*.

By 1 pm, the Dow Jones Industrial Average was up 0.38 at 3,742.25. Secondary indices were mixed, with the more broadly based Standard & Poor's 500 up 0.22 at 453.55, the American Stock Exchange composite down 1.81 at 430.44 and the Nasdaq composite 1.15 lower at 744.66. Trading volume on the NYSE was at 155m shares by 1 pm.

Prices opened lower and the Dow dropped by nearly 20

## BankAmerica



points in early trading before turning positive. Analysts speculated that the drop might have been due to the announcement late on Monday by Fidelity Investments of the largest mutual fund company in the US - that its Magellan Fund would not make a previously announced year-end distribution.

Analysts worried that individual investors, who had flocked to mutual funds in recent years, might shift to fixed income instruments where yields were becoming increasingly attractive.

But rising bond prices pulled up the stock market. The Dow began to pick up as increases in bond prices gained momentum late in the morning.

Recent gains by the dollar also encouraged share prices. Although the currency was down from Monday's highs, it rebounded early in the morning from session lows against the Japanese yen and the D-Mark, bringing share prices up with it.

The resignation of the Treasury Secretary, Mr Lloyd Bentsen, went all but unnoticed by the market because the move was widely anticipated by investors.

Among individual shares, BankAmerica lost 1/8% at \$41.40 after an analyst at PaineWebber downgraded the shares to "neutral" from "buy" on the basis of slower than expected loan growth. Mr Lawrence Cohn also cut his 1994 earnings estimate by 15 cents to \$5.35 per share.

Other banking stocks were mixed. Chase Manhattan Bank gained 1/8% at \$71.75, while Citicorp rose 1/8% at \$41.10. Apple Computer climbed 1/8% at \$37. Dell Computer was unchanged at \$42. Hewlett-Packard lost 1/8% at \$97.40, Digital Equipment fell 1/8% at \$33 and Unisys shed 1/8% at \$94.

High technology shares were mixed. IBM gained 1/8% at \$71.75, Compaq Computer rose 1/8% at \$41.10 and Apple Computer climbed 1/8% at \$37. Dell Computer was unchanged at \$42. Hewlett-Packard lost 1/8% at \$97.40, Digital Equipment fell 1/8% at \$33 and Unisys shed 1/8% at \$94.

## Canada

Toronto was lower at midday, the TSX 300 composite index losing 12.19 at 4,094.37 in volume of 22.5m shares, with only three of the 14 sub-group indices managing to show gains. The strong sectors included real estate, 40.89 ahead at 2,079.97, as Bramalea climbed 20 cents to C\$1.72.

The gold and precious metals group led weak indices, falling 91.50 to 8,437.52. Metals and mining recorded 24.23 to 4,030.55, pulled down by the heavily weighted Inco, which declined 0.3% to C\$38.75.

## EUROPE

## Transatlantic influences trip bourses into decline

Transatlantic news was not good for Continental equities yesterday, writes *Our Markets Staff*. Fidelity Investments' full payout for its Magellan Fund hit shares around the world, and European bond markets, in consolidation, heard the Salomon Brothers chief economist predict that the Fed will boost short-term interest rates by 100 to 150 basis points by the middle of next year.

Turning to Europe, Salomon saw growth there exceeding expectations, prompting Germany's Bundesbank to tighten in the first half of 1995.

FRANKFURT started comfortably, but Fidelity rumours, poorer than expected results from Dresdner Bank and options-oriented selling in Siemens combined to leave the Dax index down 24.99 to 2,046.58; there was little recovery after hours.

Turnover rose from DMS18 to DMS26m. Dresdner's problems in derivatives, reflected in its own-account trading losses against a profit last year, left the shares down DMT.50 to DM408.50 in the Ibis and soured Commerzbank, down DMT.60 to DM320, and Deutsche Bank, DM12.10 at DM735.90 ahead of its own 10-month figures today.

Siemens recovered from a session close of DM598.50, down DM12.50, to DM601, off

DM8, after hours, stilling fears of a further drop after breaking down through the DM600 technical support level. The other main losses were in automotive stocks and engineers; Conti lost DM5.50 at DM213 after some selling recommendations, and MAM DM14 at DM398; Deutsche Babcock, after a disappointing look at 1995 last week, retreated DMS.50 to DM201.50, Linde DM20 to DM288 and Mannesmann DMS.40 to DM402.80.

MILAN fell 2.3 per cent as the market became embroiled in the fraught run-up to the resignation of Mr Antonio Di Pietro, the craft busting magistrate who became a national hero for his sustained assault on corruption in high places.

The Comit index shed 14.44 to 615.50 amid worries of further political uncertainty if Mr CAC-40 index finished with a loss of 4.70 at 1,988.58, off a session low of 1,982 and just off a high of 1,970.

Smith Barney, of the US, initiated coverage of the two major oil stocks, Elf Aquitaine, off FF1.00 at FF336.40, and Total, down FF2.50 to FF323.

The broker said that it was recommending a neutral position in the former, but put out a buy note on Total, based on its depth of management expertise, strong balance sheet and exposure to growth mar-

## FT-SE Actuaries Share Indices

|           |         | THE EUROPEAN SERIES |         |         |         |         |         |         |         |         |         |
|-----------|---------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|           |         | Dec 6               | Nov 29  | Nov 22  | Nov 15  | Nov 8   | Nov 1   | Oct 25  | Oct 18  | Oct 11  | Oct 4   |
| FT-SE 100 | 1342.47 | 1342.47             | 1342.47 | 1342.47 | 1342.47 | 1342.47 | 1342.47 | 1342.47 | 1342.47 | 1342.47 | 1342.47 |
| FT-SE 250 | 1352.70 | 1352.70             | 1352.70 | 1352.70 | 1352.70 | 1352.70 | 1352.70 | 1352.70 | 1352.70 | 1352.70 | 1352.70 |

ment might persuade Mr Bossi to temper future criticism of Mr Silvio Berlusconi, the prime minister.

Against the lower trend, Montedison was unchanged at L1.138 after the European Court rejected an appeal by Union Carbide against the proposed joint venture with Shell.

PARIS worsened in the morning as the Fidelity news upset sentiment, but recovered its composure later. The CAC-40 index finished with a loss of 4.70 at 1,988.58, off a session low of 1,982 and just off a high of 1,970.

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kets in the Far East.

ZURICH picked up from the day's lows, which were a response to concerns about higher money market rates, after a better than expected early performance from Wall Street in the aftermath of the Magellan Fund news.

The SMI index finished 21.9 down at 2,569.1, after a low of 2,561.7 although trading volumes remained thin.

Financials were mixed, with CS Holding losing SFR10 to SFR541 and UBS bearers SFR16 lower at SFR1,134, amid suggestions that investors were switching to the insurance sector.

Swiss Re led the insurers higher, picking up SFR14 to SFR187 as some dealers said that the company was buying back its own shares.

AMSTERDAM followed the downward trend and the AEX index gave up 2.17 to 411.18.

Kleinwort Benson yesterday upgraded the Netherlands from neutral to overweight, based

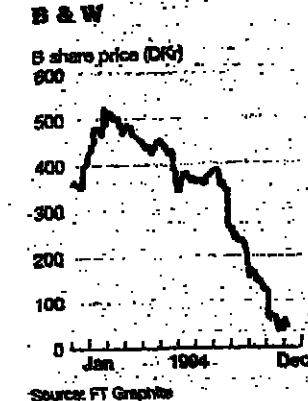
on an expected revival of consumer confidence in 1995 and given the market's strong exposure to international consumer stocks. In contrast the broker reduced its exposure to the Dutch chemicals sector based on general worries regarding long-term valuations and concern that "the present boom in basic chemicals could be reversed in the first half of next year".

Abold gave up 20 cents to F1 61.30 following an impressive rise on Monday after third quarter figures, and, among the international, Royal Dutch slipped F1.90 to F1 188.50.

STOCKHOLM fell sharply, declines in Ericsson and Astra leading as the Affarsvarden general index lost 17.90 or 1.2 per cent to 1,483.10 in turnover of SKr2.6bn.

The two heavyweight stocks were affected by separate downgrades. Ericsson, down SKr12.50 to SKr409 in the B shares, attracted a number of sell notes.

Astra, off SKr5 to SKr193, was affected by a note from Merrill Lynch. Ms Janet Dyson, Merrill's pharmaceuticals analyst, changed her opinion from "buy" to "take profits in the short term" on news that the US FDA was to suspend a review of the company's Asthma drug, Pulmicort



Turbulenz, pending further information. This suspension was likely to lead to a delay in the drug's approval of at least three months, with the consequent knock on effect on earnings by 1996, she added.

COPENHAGEN was depressed additionally by reports of financial problems at the Danish shipping and shipbuilding group, B & W, and the failure of a rescue plan. B & W B shares dropped DKr10 to DKr45, down from a year's high of DKr533 in February, as the KFX index declined 1.16 to 93.34.

Written and edited by William Cochrane, John Pitt and Michael Morgan

## ASIA PACIFIC

## Nikkei average firmer as Seoul continues to improve

## Tokyo

The Nikkei 225 average saw an early loss erased and then added narrowly to Monday's gain shortly before the close.

Investors remained alert, writes *Robert Patton in Tokyo*.

The 225 average, after trading down for most of the day, edged up slightly at the finish to gain 34.81 at 19,340.47.

Profit-taking, anticipated because of Monday's substantial move, never materialised. In early trading, block sales through index-linked buying, causing the market to slide to the day's low of 19,242.85 in the first 40 minutes of the morning. Within an hour the market rallied to a high of 19,342.85 but failed to follow through.

The Toxix index of all first section stocks inched up 3.63 to 1,535.49 and the capital weighted Nikkei 300 crept forward 0.83 to 283.25.

First section volume, up from Monday's 206m shares, was an estimated 234m. Gainers maintained a slight lead over losers by 512 to 455, with 906 issues unchanged. In London the ISE/Nikkei 50 index slipped 5.59 to 1,589.91.

Most consumer electronics companies extended Monday's gains. JVC rose Y70 to Y1,430, Pioneer Y40 to Y2,830 and Matsushita Electric Industrial Y10 to Y5,510, but Sony dipped Y10 to Y5,510.

Sega Enterprises climbed for

the eighth consecutive session, closing at Y5,570, up Y60. Nintendo also added to Monday's gain, firming Y10 to Y5,810.

In Osaka the OSE average advanced 45.28 to 21,320.58 in volume of 38.2m shares.

## Roundup

The Pacific Rim markets turned in a set of mixed performances.

Asia Equity, however, offered evidence that the region's equity markets could put in a good year-end showing. According to precedent, claimed the broker, December and January had consistently produced the best monthly performance in a given year.

One of the drugs on the region this year, the number of rights issues and IPOs issued in Indonesia, the Philippines and Thailand, was now expected to fall off, said Asia Equity, with far fewer cash calls likely, probably until the end of the first quarter of 1995.

SEOUL extended its uptrend to a third straight session, on renewed demand for blue chips after their recent falls, and the composite index moved 9.98 higher to 1,076.01 in spite of Won16m worth of sell orders by the stock market stabilisation fund.

Samsung Electronics went the day's limit up, appreciating Won3,000 to Won18,500, while Keppel moved ahead Won200 to Won28,800.

HONG KONG finished modestly firmer in thin trade, with

sharp early losses reversed on the strength of rebounding index futures.

The Hang Seng index put on 30.12 at 8,332.65, having fallen by 132 points at one stage. Turnover dipped to HK\$2.6m from Monday's HK\$2.8m.

TAIPEI was unable to sustain Monday's gain as investors decided to take profits. The weighted index was down 40.75 at 6,708.47 but after a 6,674.50 low. Turnover was heavy at T\$97.7bn.

Profit-taking was mainly in financials, which had risen for the three previous sessions - Farmers Bank lost T\$3.50 at T\$8 and Chang Hwa Bank T\$6 at T\$194.

MANILA strengthened as blue chips were actively

sought, and the composite index posted a rise of 32.92 at 2,555.63.

Brokers commented that buying was stimulated by the release of good economic indicators in recent days. The commercial-industrial sector index saw the session's biggest gain with a rise of 43.3 to 3,919.3.

KUALA LUMPUR was lower for the fourth trading day in a row amid foreign selling, particularly from Hong Kong, of Tenaga Nasional and Telekom Malaysia. The composite index ended 10.20 or 1.1 per cent down at 583.68.

Telekom declined 40 cents to M\$17.20, still affected by rumours of a share placement, and Tenaga finished 30 cents cheaper at M\$10.20.

SINGAPORE made little progress, with early gains pared on lack of trading interest, and the Straits Times Industrial index closed 1.50 up at 2,167.07, after reaching an intraday high of 2,168.31.

SYDNEY retreated as worries resurfaced regarding the direction of commodity prices and interest rates. The All Ordinaries index shed 6.3 to 1,891.2 in volume estimated at 206.5m shares.

KARACHI eased slightly amid thin volume on the first day of the new account. The KSE 100 index lost 12.81 at 2,127.44. Declining issues led advances by 300 to 109.

BOMBAY was 1 per cent lower after selling by domestic and foreign mutual funds, anxious

to book profits, which took the BSE-30 index 43.86 down to 4,040.31.

Brokers noted that prices had fallen throughout the session, a day after the government announced the minimum bidding price of 42m shares in six state-owned companies.

COLOMBO fell for the second day running, the All Share index slipping 14.05 to 1,066.93 on retail selling, with local and foreign institutions on the sidelines due to political and economic uncertainties.

JAKARTA was marked down at the close, the official index dropping 4.19 to 486.35, amid worries over forthcoming new issues after the sharp fall of Indral Aluminium on its debut on Monday.

## Light trade in Brazil

Shares in São Paulo were off slightly by midday, with many investors remaining reluctant to take a position ahead of futures and options settlements over the forthcoming week.

The Bovespa index had declined 90 to 46,224 by 1 pm in turnover of R\$194.4m (\$225.5m).

Analysts said that the market was also digesting a central bank decision on Monday to create new reserve requirements for some credit operations.

Reports that the central bank had intervened in the money market, repurchasing

securities in a forward operation at 5.20 per cent for December 9, down from the current rate of 5.45 per cent, failed to excite much interest.

The move was interpreted as a signal that the government would lower nominal interest rates on expectations of falling inflation data for December.

## Venezuela

Caracas finished little changed in light dealings, the Merinvest composite index slipping 0.96 to 120.53. Electricidad de Caracas closed 4 bolivars down at 215 bolivars.

## S Africa steady after rally

Softer London equities and continued good price weakness eroded early steady weakness to leave Johannesburg little changed, and with minimal clarity on short term direction. A weaker financial rand, however, provided some support for shares.

The overall index finished 3.2 ahead at 5,722.57, off an

early high of 5,741.6. Industrials ended 4.0 better at 6,916.5 and golds gained a slight 0.7 at 1,818.1.

De Beers picked up 50 cents to R20.50 following news that a price fixing case against General Electric, in which De Beers was implicated, had been dropped in the US. Anglos lost R1.50 at R228.58.

## FT-Actuaries World Indices

The FT-Actuaries World Index Policy Committee has reviewed the issues raised by the prospective delisting from the Hong Kong Stock Exchange of Dairy Farm International Holdings, Hongkong Land Holdings, Mandarin Oriental International, Jardine Matheson Holdings and Jardine Strategic Holdings. The committee decided that under Section II (a) of the FT-AWI Construction and Maintenance Rules, the

five should remain in the Hong Kong Index of FT-AWI.

Section II (a) states: "In most instances, stocks are included in that country where the company is legally registered and recognised for taxation purposes including regulation of its financial affairs. Exceptions are made where the international market's recognition, the company's area of business or its market listings clearly suggest a different allocation."

## FT-Actuaries World Indices

| Jointly compiled by The Financial Times Ltd., Goldman, Sachs & Co. and NatWest Securities Ltd. in conjunction with the Institute of Actuaries and the Faculty of Actuaries |                 |                        |                      |           |          |                             |                  |                         |           |                             |             |                 |         |         |         |
|--|-----------------|------------------------|----------------------|-----------|----------|-----------------------------|------------------|-------------------------|-----------|-----------------------------|-------------|-----------------|---------|---------|---------|
| REGIONAL MARKETS   |                 | MONDAY DECEMBER 5 1994 |                      |           |          |                             |                  |                         |           |                             |             |                 |         |         |         |
| Figure in parentheses show number of lines of  | US Dollar Index | Day's Change %         | Pound Sterling Index | Yen Index | DM Index | Local Currency % chg on day | Gross Div. Yield | US Pound Starting Index | Yen Index | Local Currency % chg on day | 52 week low | Year ago (1993) |         |         |         |
| Australia (89)   | 169.55          | 1.2                    | 161.23               | 107.58    | 138.75   | 146.98                      | 1.1              | 3.92                    | 167.54    | 195.25                      | 102.85      | 137.44          | 144.78  | 155.43  | 158.46  |
| Austria (16)   | 180.02          | 0.7                    | 171.18               | 114.20    | 147.23   | 147.24                      | 1.2              | 1.10                    | 177.05    | 188.29                      | 112.36      | 142.23          | 145.44  | 167.48  | 177.17  |
| Belgium (33)   | 166.11          | 0.9                    | 160.21               | 107.28    | 138.39   | 134.98                      | 0.6              | 4.09                    | 187.80    | 193.20                      | 106.36      | 147.43          | 134.16  | 177.04  | 158.71  |
| Brazil (16)  | 170.40          | 2.8                    | 182.04               | 106.10    | 139.46   | 207.55                      | 2.2              | 0.77                    | 186.78    | 197.68                      | 102.85      | 135.96          | 261.89  |         |         |
| Canada (110)   | 128.41          | 0.0                    | 122.11               | 81.46     | 105.09   | 127.88                      | 0.1              | 2.89                    | 129.35    | 129.00                      | 81.46       | 145.51          | 120.75  | 133.14  | 141.41  |
| Denmark (23)   | 243.81          | 0.3                    | 231.85               | 154.67    | 198.32   | 204.27                      | 0.2              | 1.45                    | 242.97    | 230.94                      | 154.20      | 193.98          | 203.81  | 273.79  | 230.75  |
| Finland (28)   | 181.01          | 0.7                    | 172.13               | 114.83    | 148.13   | 185.30                      | 0.5              | 0.78                    | 178.70    | 170.80                      | 114.04      | 146.40          | 184.01  | 211.85  | 121.00  |
| France (102)   | 168.39          | -0.2                   | 160.12               | 108.82    | 137.90   | 142.78                      | -0.3             | 3.00                    | 168.58    | 160.33                      | 107.05      | 136.38          | 143.84  | 185.37  | 158.94  |
| Germany (58)   | 139.16          | 1.7                    | 132.33               | 86.28     | 113.89   | 113.89                      | 1.4              | 1.82                    | 136.89    | 130.08                      | 86.28       | 106.70          | 114.05  | 150.79  | 158.81  |
| Hong Kong (58)   | 330.45          | 0.8                    | 314.23               | 208.83    | 270.43   | 328.20                      | 0.9              | 3.77                    | 327.43    | 311.22                      | 207.80      | 268.59          | 326.29  | 506.86  | 327.43  |
| India (14)   | 188.88          | 0.8                    | 188.10               | 126.15    | 162.74   | 182.83                      | 0.3              | 3.48                    | 198.38    | 188.51                      | 125.87      | 182.68          | 218.04  | 176.03  | 176.50  |
| Italy (58)   | 74.05           | -0.5                   | 70.43                | 46.89     | 89.52    | 89.52                       | -0.6             | 1.76                    | 74.49     | 70.78                       | 47.25       | 81.00           | 86.37   | 87.78   | 81.40   |
| Japan (168)  | 153.74          | 1.1                    | 148.20               | 97.53     | 126.82   | 97.53                       | 1.1              | 0.79                    | 152.44    | 144.47                      | 96.46       | 106.37          | 114.05  | 149.11  | 158.81  |
| Malaysia (16)  | 470.18          | -1.9                   | 447.11               | 288.28    | 384.78   | 484.39                      | -1.6             | 1.89                    | 478.07    | 455.36                      | 304.04      | 329.92          | 621.83  | 430.71  | 493.18  |
| Mexico (19)  | 209.46          | -0.8                   | 199.28               | 130.76    | 187.00   | 221.12                      | -0.7             | 1.32                    | 207.57    | 187.12                      | 131.15      | 1703.69         | 7808.06 | 2847.08 | 1869.28 |
| Netherlands (19)   | 211.18          | 0.6                    | 200.80               | 133.96    | 172.81   | 189.89                      | 0.4              | 3.40                    | 209.94    | 199.55                      | 133.24      | 172.21          | 181.10  | 225.90  | 218.91  |
| New Zealand (14)   | 71.15           | -0.2                   | 67.66                | 45.14     | 58.23    | 58.04                       | -0.2             | 4.88                    | 71.32     | 67.70                       | 45.27       | 58.04           | 58.04   | 67.70   | 67.07   |
| Norway (23)  | 203.81          | 0.4                    | 193.81               | 125.29    | 188.78   | 189.59                      | 0.5              | 1.74                    | 202.54    | 192.88                      | 128.78      | 196.47          | 188.22  | 191.16  | 188.25  |
| Portugal (14)  | 180.80          | 0.7                    | 173.28               | 108.82    | 127.94   | 142.78                      | 0.7              | 1.76                    | 174.49    | 171.78                      | 108.82      | 127.94          | 142.78  | 150.92  |         |
| South Africa (52)  | 323.84          | -0.6                   | 307.78               | 205.31    | 254.85   | 292.29                      | -0.1             | 2.24                    | 325.48    | 309.36                      | 206.56      | 268.98          | 292.42  | 342.00  | 225.85  |
| Spain (38)   | 140.81          | 1.7                    | 133.71               | 89.20     | 115.07   | 140.82                      | 1.0              | 4.06                    | 138.04    | 132.73                      | 88.02       | 114.05          | 132.73  | 132.73  | 132.73  |
| Sweden (38)  | 234.89          | 1.5                    | 223.37               | 149.01    | 192.23   | 280.49                      | 1.0              | 1.84                    | 231.50    | 220.04                      | 148.92      | 218.57          | 220.04  | 234.89  | 234.89  |
| Switzerland (17)   | 181.26          | 1.4                    | 181.26               | 102.30    | 151.96   | 132.73                      | 1.2              | 1.00                    | 181.26    | 181.26                      | 102.30      | 151.96          | 132.73  | 176.06  | 149.91  |
| Taiwan (40)  | 154.95          | -0.1                   | 147.35               | 96.30     | 128.81   | 150.92                      | 0.0              | 2.43                    | 155.10    | 147.43                      | 96.44       | 127.23          | 150.92  |         |         |
| United Kingdom (204)   | 191.97          | 0.4                    | 182.55               | 121.75    | 157.10   | 182.55                      | 0.5              | 4.23                    | 191.71    | 181.71                      | 121.75      | 166.82          | 181.71  | 214.86  | 181.71  |
| USA (513)  | 185.51          | 0.1                    | 176.41               | 117.89    | 151.81   | 185.51                      | 0.1              | 2.96                    | 185.42    | 178.24                      | 117.07      | 152.12          | 166.04  | 173.98  | 186.31  |
| Americas (822)   | 173.48          | 0.1                    | 164.98               | 110.05    | 141.06   | 144.26                      | 0.1              | 2.88                    | 173.35    | 164.77                      | 110.02      | 142.20          | 144.15  |         |         |
| Europe (708)   | 167.51          | 0.6                    | 159.29               | 102.27    | 137.08   | 150.88                      | 0.5              | 3.11                    | 166.48    | 158.24                      | 105.06      | 137.08          | 150.88  | 167.51  | 167.51  |
| North America (816)  | 181.07          | 0.1                    | 173.04               | 115.44    | 141.06   | 144.26                      | 0.1              | 2.40                    | 200.57    | 200.57                      | 120.21      | 210.59          | 333.91  | 178.08  | 178.08  |
| Pacific Basin (735)  | 161.80          | 0.2                    | 155.38               | 102.32    | 132.00   | 106.56                      | 1.0              | 1.17                    | 159.65    | 161.75                      | 101.35      | 130.97          | 105.51  | 170.66  | 141.04  |
| Asia-Pacific (511)   | 163.29          | 0.1                    | 156.76               | 103.91    | 134.04   | 123.98                      | 0.8              | 2.01                    | 162.42    | 154.36                      | 103.68      | 133.23          | 103.01  | 175.14  | 150.98  |
| North America (816)  | 181.07          | 0.1                    | 173.04               | 115.44    | 141.06   | 144.26                      | 0.1              | 2.95                    | 181.88    | 172.87                      | 116.43      | 148.19          | 181.40  | 182.78  | 176.57  |
| Asia-Pacific (511)   | 163.29          | 0.1                    | 156.76               | 103.91    | 134.04   | 123.98                      | 0.8              | 2.46                    | 149.50    | 149.10                      | 94.88       | 135.45          | 130.42  | 161.42  | 150.98  |
| Pacific Basin (735)  | 161.80          | 0.2                    | 155.38               | 102.32    | 132.00   | 106.56                      | 1.0              | 2.21                    | 205.81    | 204.74                      | 149.68      | 174.33          | 207.23  | 296.23  | 296.23  |
| Asia-Pacific (511)   | 163.29          | 0.1                    | 156.76               | 103.91    | 134.04   | 123.98                      | 0.8              | 2.91                    | 164.33    | 159.14                      | 100.29      | 134.79          | 128.63  | 170.83  | 152.25  |
| World Ex. US (1739)  | 166.83          | 0.8                    | 157.80               | 106.07    | 136.55   | 127.58                      | 0.8              | 2.01                    | 168.28    | 159.85                      | 106.80      | 138.04          | 141.02  | 175.59  | 160.88  |
| World Ex. UK (2018)  | 169.20          | 0.5                    | 160.89               | 107.34    | 136.46   | 141.73                      | 0.5              | 2.14                    | 168.28    | 159.85                      | 106.80      | 138.04          | 141.02  | 175.59  | 160.88  |
| World Ex. Japan (7154)   | 182.40          | 0.3                    | 173.45               | 116.71    | 145.27   | 173.62                      | 0.2              | 2.98                    | 181.89    | 172.88                      | 116.43      | 149.20          | 172.18  | 185.20  | 176.84  |
| The World Index (2222)   | 171.21          | 0.6                    | 162.81               | 106.81    | 140.11   | 145.44                      | 0.5              | 2.34                    | 170.31    | 167.86                      | 106.78      | 138.74          | 160.80  | 184.12  | 164.59  |